

STATE OF NEW YORK
DEPARTMENT OF CONSERVATION
WATER POWER AND CONTROL COMMISSION

RECORD OF WELLS
IN
KINGS COUNTY, N. Y.

Exclusive of those published in
U. S. Geological Survey Professional Paper 44

Prepared by the United States Geological Survey
in cooperation with the Water Power
and Control Commission



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Published by the Water Power and Control Commission
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Water Supplies of Long Island, Bulletin GW-2, in compliance
with the provisions of Chapter 839 of the Laws of 1936 as
amended.

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RECORDS OF WELLS IN KINGS COUNTY, N. Y.

INTRODUCTION

In 1906 records of about 900 wells that had been drilled on Long Island were published in U. S. Geological Survey Professional Paper 44, "Underground water resources of Long Island, New York," by A. C. Veatch and others. Since that time a large number of wells have been drilled on the island, but no systematic attempt has been made to collect or preserve records of all these wells. Since 1932 the U. S. Geological Survey, in cooperation with the New York State Water Power and Control Commission and with Nassau and Suffolk Counties, has been carrying on an investigation of the ground-water conditions on Long Island. A part of this work has consisted of the collection and compilation of well records that were in the possession of waterworks officials, well-drilling companies, engineers, and others. It has of course not been feasible to attempt to obtain records of all wells that have been drilled since 1906, but an effort has been made to collect records of the more significant wells.

By the Laws of 1936, Chapter 839, the Legislature of the State of New York directed the Water Power and Control Commission to report upon the water supplies of Long Island. This was done on February 1, 1937, by publication of Bulletin GW-2, "Engineering Report on the Water Supplies of Long Island", by Russell Suter, Executive Engineer, submitted to the Legislature on February 25, 1937. During the course of this investigation records of many wells in Kings and Queens Counties were collected by consultants employed by the Water Power and Control Commission. Rather than publish these records by themselves as a supplement of Bulletin GW-2, it seemed desirable to combine them with similar records previously collected

by the U. S. Geological Survey. The well records from these two sources constitute a large amount of valuable data and it has seemed desirable to make them readily available to those interested. The compilation includes records of about 1,500 wells, which together with those published in Professional Paper 44 give information on about 2,500 wells.

Many of the wells have been abandoned or destroyed, but their records nevertheless indicate the conditions to be expected at the particular localities where they were drilled. Although some of the records are very incomplete, they at least give some information as to the conditions to be expected.

The present report includes only the records of wells drilled in Kings County (Brooklyn) - about 500 wells. Similar reports covering the other three Long Island counties are in preparation. As new wells are drilled the records will be collected and compiled and from time to time released for consultation by the public. Publication of the new records is contemplated when a sufficient number have been compiled.

The locations of wells for which logs are given in this report are shown on the map at the end of the report. It has not been possible to check in the field the locations of some of the wells. For such wells the locations as shown on the map are based either on the address given in the record and a street map of the county, or on information given by the driller, owner, or other person. To aid the reader in finding a well location, the map is divided into rectangles, which at the margins are lettered A, B, C, etc., from bottom to top and numbered 1, 2, 3, etc., from left to right. These coordinates are given in the heading of each well log as the first number and letter in parentheses. The other numbers

and letters in the parentheses indicate respectively the distance in miles north and west from the southeast corner of the rectangle in which the well is located. For example, well K 2, Rubel Ice Corporation, 18th and Cropsey Avenues, (1 B, 1.2 N., 0.3 W.), will be found on the map in the rectangle first from the left and second from the bottom, 1.2 miles north and 0.3 mile west of the southeast corner of the rectangle.

The well-numbering system used in this report is in general use by other workers on Long Island and has been adopted by the New York State Water Power and Control Commission. As a rule a single number has been assigned to each pumping plant, which may include several wells. In some instances, a separate number has been assigned to each well at one plant if the wells have individual pumps. Each number carries the first letter of the county name - K 1, K 2, etc. In general the numbers have been assigned in the order in which the records were collected. The numbers therefore have no geographic significance, because they were assigned at different times by different workers. A geographic order would of course be desirable, but this advantage would only be temporary, because wells drilled after the publication of this report could not be numbered according to such a system without unnecessarily complicating it. Many of the wells listed in the table of well data are not located on the map accompanying this report because this would have required a map so large as to make the cost prohibitive.

Most of the well records given in the table of well data were summarized from records of depth, diameter, capacity, etc., collected by Angus D. Henderson while employed by the New York State Water Power and Control Commission or from records collected by members of the United States

Geological Survey. Records of wells that were listed in Professional Paper 44 are not given in the table of well data unless more recent or more complete data were obtained. Most of the well logs here given showing the thickness and nature of material penetrated were collected either by members of the United States Geological Survey or by J. Homer Sanford while employed by the New York State Water Power and Control Commission. Many of the logs were taken from an unpublished report by W. O. Crosby for the City of New York, Board of Water Supply, and a few additional records collected by him were furnished by Irving B. Crosby. The work of compiling and preparing the data for publication was done by the United States Geological Survey, with the assistance of George H. Clark and Virginia Del Vecchio, of the U. S. Works Progress Administration for the City of New York. The following members of the United States Geological Survey collected or compiled records included in this report: D. G. Thompson, F. G. Wells, Kyle Forrest, H. R. Blank, W. H. Monroe, R. M. Leggette, M. L. Brashears, and Meta H. Wendels. Most of the determinations of the chloride content of well waters given in the table of well data were made by the Mt. Prospect Laboratory of the City of New York, Department of Water Supply, Gas, and Electricity. Most of the measurements of ground-water temperature given in the table were made by the United States Geological Survey. Where the altitude of street level is given it is based on leveling by New York City. Acknowledgements are due to the many well-drilling companies, waterworks officials, engineers, and well owners, who with few exceptions willingly furnished information or made their records available. Without their cooperation this report would not have been possible.

Although footnotes have been used to briefly explain some of the data given in the table, further explanation seems desirable.

An industrial plant may have a number of wells on the property, each of which is designated by a number. These owner's numbers are shown in parentheses in the owner column in the table so that two or more wells listed under the same K number will not be confused.

The top of a well may be either above or below the land surface or street level. The depth as given in the table is in terms of street level, correction having been made for the distance between street level and the top of the well. A well may have originally been drilled considerably deeper than the depth at which the screen was finally set. The thickness of material penetrated as shown in the log may therefore be considerably greater than the depth of the well listed in the table. The bottom of the screen or perforated pipe was considered to be the bottom of the well for the purpose of reporting its depth.

Where two sizes are listed for diameter, the smaller size may be either the screen diameter, or the diameter of the smallest casing used. Where only one diameter is listed, larger casing may also have been used.

Most of the pump capacities listed in the table were obtained from driller's records. Where two or more wells are grouped together on one line in the table, the figures given for pump capacity and yield are the combined pump capacities or yields of all the wells listed on that line.

The yield of a well at the present time may be somewhat less than the yield listed in the table. The figures given in the table, are in most instances, reports based on pumping tests that were run when the wells were first constructed.

The figures given in the table for water level doubtless represent levels somewhat below the true static level in some instances because of the effect of nearby pumping wells or previous pumping in the well itself. The date of measurement of water level, if known, is given in the parentheses below the figures for the water level.

The salinity of water from the wells is indicated by the figures given in the table for chloride content. The date on which the water sample was collected is given in parentheses below the figures for chloride.

In most instances the ground-water temperatures listed in the table were accurately observed by means of special thermometers submerged in insulated containers that had been filled with fresh samples of water taken from pumping wells. The date of observation is given in parentheses below the figures for temperature.

Water level, chloride, and temperature data have been obtained periodically for many of the wells listed in the table. This additional information may be consulted in the Jamaica Office of the U. S. Geological Survey.

In the index of wells by owners an attempt has been made to list the wells under the names of former owners as well as the present owners. In the index of wells by streets, most of the wells have been listed under at least two streets. If a well is near the intersection of two streets it will generally be listed under both streets.

Copies of this report may be consulted at most of the libraries on Long Island and in metropolitan New York.

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- Long Island sources, an additional supply of water for the City of New York. City of New York Board of Water Supply, 2 vols., 708 pp., 1912. (Commonly known as the report of Walter E. Spear.)
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- Leggette, R. M., Long-time records of ground-water levels on Long Island, N. Y.: Am. Geophysical Union Trans., 1936, Part II, pp., 341-344, 1936.
- Thompson, D. G., and Leggette, R. M., Withdrawal of ground water on Long Island, N. Y.: New York State Water Power and Control Commission Bulletin GW-1, 28 pp., 1936.
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- Thompson, D. G., Wells, F. G., and Blank, H. R., Recent geologic studies on Long Island with respect to ground-water supplies: Econ. Geology, vol. 32, pp., 451-470, 1937.
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TABLE OF WELL DATA

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 1	Rubel Ice Corp. (3)	Neptune Ave. & W. 21st St.	523	16-10	1,020 T	1,100		4 (4-1-37)	60.2 (4-1-37)
	Do. (1)	do.	264						
	Do. (2)	do.	520						
*K 2	Do. (1)	18th & Cropsey Aves.	105	36-12	1,000 T	900	+1.3 (4-19-32)	5,050 (9-9-36)	55.8 (9-9-36)
*K 3	Do. (1)	62d St. & 7th Ave.	127	30-16	750 T	750	+5 (1933)	20 (3-30-37)	54.5 (3-30-37)
K 4	Do.	63d St. & 17th Ave.	83	72-24	1,300 T	1,300		200 (1933)	
K 5	Warner Bros. Pictures (1 to 4)	1277 E. 14th St.	65	4, 6, 8, 12	250 S		+2	36 (10-3-32)	
*K 6	Kings Theatre Loews	Flatbush & Tilden Aves.	94	36-12	400 T	320			
*K 7	Rubel Ice Corp. (1, 2, 4, 5)	38th St. & 4th Ave.	80	8	P	1,200		8,150 (8-7-34)	
	Do. (3)	do.	140	30-16	600 T	600			
*K 8	Maltine Co.	436 18th St.	190	10	800 P	1,000	-5.9 (4-27-32)	32 (4-1-37)	54.6 (4-1-37)
*K 9	Royal Baking Powder Co. (9&10)	65 9th St.	156	8, 10	S	300	-14.1 (5-7-32)	5,450 (9-9-36)	58.7 (9-9-36)
*K 10	Rubel Ice Corp. (1)	Bond St. & 3d Ave.	159	26-16	1,080 T	850		3,357 (8-7-34)	
	Do. (2 & 3)	do.	82	36-16	1,000 T			5,250 (10-7-32)	
*K 11	Balch Price & Co.	380 Fulton St.	112	30-10	200 T	175	-13 (1932)		62.0 (7-13-37)

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner <u>a/</u>	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 12	Sperry Gyroscope Co. Inc.	Flatbush Ave. Ext. & Concord St.	112	10-8	T	100	-7.0 (1932)	2,700 (1935)	
K 13	New York Eskimo Pie Corp. (1 & 2)	100 Bridge St.	114	38-18	1,000 T	1,000		7,500 (1933)	
*K 14	Kirkman Soap Co.	Bridge & Water Sts.	92	30-18	540 T	400		17,950 (4-1-37)	62.4 (4-1-37)
*K 15	New York Butchers Assoc. (1 to 4)	252 Hudson Ave.	108	6, 8, & 10	S	1,400		232 (8-7-34)	
*K 16	Paramount Theatre	385 Flatbush Ave. Ext.	98	36-12	550 T	760		400 (8-3-37)	58.6 (7-13-37)
K 17	Fox Theatre	Nevins St. & Flatbush Ave.	105	38-16	978 T	1,000	-5 (1927)	550 (6-22-37)	59.3 (7-13-37)
*K 18	Williamsburgh Savings Bank	Hanson Pl., & Flatbush Ave.	114	36-12	300 T	300	-19.7 (4-18-33)	51 (6-15-37)	60.6 (7-13-37)
K 19	Ft. Green Garage	604 Pacific St.	186	8-6	40		-15.5 (5-3-32)		
*K 20	News Syndicate Co. Inc.	700 Pacific St.	148	15-12	700		-6	43 (3-29-37)	56.0 (3-29-37)
K 21	Rubel Ice Corp.	720 Pacific St.	130	26-16	919 T	400			
*K 22	A. Schrader Valve Co.	470 Vanderbilt Ave.	137	38-26	825 T	800	-4 (1932)	53 (1934)	
*K 23	Reid Ice Cream Co. (1)	524 Waverly Ave.	166	26-18	650 T	800	-16.6 (4-18-33)	48 (10-30-33)	
*	Do. (2)	do.	160	36-16	700 T	1,100		44 (6-2-37)	55.2 (6-2-37)
K 24	Paramount Ice Co. (1 & 2)	89 Steuben St.	124	36-12	1,500 T	1,500		1,350 (6-2-37)	57.0 (6-2-37)
K 25	Sheffield Ice Cream Co.	147 Classon Ave	102	8	200 T	200			

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 26	Malcolm Brewing Co.	Franklin & Flushing Aves.	90	8	200		-15.5 (4-26-32)		
K 27	George Dressler Co.	do.	160	8			-19.5 (4-26-32)		
*K 28	Meadow Gold Products Corp.	777 Kent Ave.	98	43-10	400 T	350		728 (10-30-33)	
*K 29	Lorimer Realty Corp. (1 to 3)	95 Lorimer St.	80	8-6	T	405	-13.1 (5-9-33)	37 (4-25-33)	
*K 30	C. J. Tagliabue Mfg. Co.	540 Park Ave.	56	8		50	-28.32 (8-7-37)		
K 31	Bedford Theatre Loews	Bedford Ave. & Bergen St.	176	18-12	331 T	325	-9		
*K 32	Rubel Ice Corp. (1)	1349 Atlantic Ave.	121	10	T	1,200	-19	92 (1934)	
	Do. (2)	do.	81	8	P	600			
*K 33	Do.	Marcy & Lorimer Sts.	175	24-12	632 T	600	-22 (1933)	93 (9-12-36)	56.6 (9-12-36)
K 35	Do.	283 Vernon Ave.	115	12	500	500	-10.8 (5-9-32)	70 (4-29-32)	
*K 36	Leibman Brewery (5)	Evergreen & Flushing Aves.	105	20-12	730 T	800		172 (4-22-37)	56.8 (4-22-37)
	Do. (0 & L 4)	do.	142	16-12	334 T	350		304 (1932)	
	Do.	do.	84 to 135						
*K 37	Hittleman Brewery. (1 & 2)	1 Bushwick Pl.	104	12	900 T	950		1,550 (4-22-37)	56.6 (4-22-37)
K 38	Rubel Ice Corp. (1)	640 Lexington Ave.	182	10		1,200		43 (4-1-37)	55.8 (4-1-37)
	Do. (2 & 3)	do.	92			700		46 (10-4-32)	

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 39	Rubel Ice Corp. (1)	Atlantic & Rochester Aves.	150	8	P	600		44 (10-4-32)	
K 40	Congress Theater	St. Johns Pl. & Buffalo Ave.	129	36-10	200 T	200		33 (1936)	
*K 41	Rubel Ice Corp. (1)	Utica & East New York Aves.	120	12	T	1,000		37 (6-29-37)	54.5 (6-29-37)
K 42	G. Ehret Brewery Inc. (1)	193 Melrose St.	163	6	400 P	140	-13	62 (4-22-37)	55.0 (4-22-37)
	Do. (2)	do.	84	12	T		-9		
*K 43	Pitkin Theater Loews	Pitkin & Saratoga Aves.	165	30-12	500 C	400	-9 (1929)	70 (7-30-36)	57.8 (7-30-36)
K 44	Brass Goods Mfg. Co.	345 Eldert St.	91	8	P	40	-2.23 (4-19-32)	42 (1931)	
K 45	J. F. Trommer (1)	1632 Bushwick Ave.	160	24-16	630	450	-5.6 (4-12-33)	15 (4-5-37)	53.7 (4-5-37)
	Do. (2)	do.	157	30-12	500	380			
*K 46	Rubel Ice Corp. (1 & 2)	2 Fountain Ave.	121	10- 8	P	550	+7.1 (4-27-32)	23 (9-16-36)	55.4 (9-16-36)
K 47	Fisher Bros.	Townsend St. & Gardiner Ave.	70	8-5.5	P	60		3,150 (1934)	
*K 48	John Morrell & Co.	77 Kent Ave.	88	6	T	50		224 (1934)	
*K 49	New York Quinine & Chemical Works. (2)	101 N. 11th St.	211	8- 4	A	150		2,550 (3-31-37)	55.8 (3-31-37)
*K 50	Shultz Beverage Co. (1)	50 Berry St.	52	36-12	60 T	250			
K 51	Swift & Co.	100 N. 6th St.	192	6	80				

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 52	Richard Schnibbe & Co.	257 Metropolitan Ave.	60	6	S	30		510 (3-31-37)	58.0 (3-31-37)
*K 53	J. Cavanagh Corp.	53 Hope St.	52	6-4	P	57			
*K 54	Marcy Operating Co.	82 Marcy Ave.	200	4		50		154 (1934)	
*K 55	B. Bender	519 Grand St.	71	8	P	25		50 (4-22-37)	55.9 (4-22-37)
*K 56	National Candle Co.	38 Devoe St.	50	6-3	50 T	25	-7		
K 57	Williamsburg Ice Co.	257 Ten Eyck St.	70	16	400 T	250		296 (1934)	
K 58	Rubel Ice Corp.	Maujer & Morgan Sts.	60	12	T	150			
*K 59	Independent Candy Co.	47 Varick St.	76	8-6	69 T	69		65	
K 60	A. Gobel & Sons. (1 & 2)	Morgan & Rock Sts.	82	10	525 T	525			
K 61	Tittlebaum Baths	29 Morell St.		6-4		100			
*K 62	Wilson Dept. Store, Inc.	Graham & Flushing Aves.	74	6	T	50			
K 63	Wynick Baths	28 Varet St.	50	6	T	75			
*K 64	Pfizer Chemical Co. (1 to 7)	Flushing Ave. & Gery St.	156 to 174	8-6 to 10-8	T	2,500			
	Do. (8 to 10)	do.	90	4					
K 65	A. Ludwig Co.	123 Middleton St.	59	8					
K 67	Y. M. C. A.	179 Marcy Ave.	65	4-3	C	60			

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 68	P. B. Newmark	1202 Metz St.	90	8-5.5	T	100		5,800 (1934)	
K 69	National Lead Co.	John & Gold Sts.	79	8-6	P	50			
K 70	National Licorice Co.	106 John St.	36	6	S	60		11,800 (1934)	
K 71	Hanan & Son, Inc.	Front & Bridge Sts.	25		P	300±			
K 72	Robert Gair Corp. (1a)	Front & Washington Sts.	69	12-10	T	250		6,000 (1934)	
K 73	J. Cavanagh Corp.	81 Prospect St.	80	4		250			
K 74	F. Bischoff Co.	148 Sands St.	81	6-5	T	125	+3 (1933)	340 (1933)	
*K 75	Y. M. C. A.	167 Sands St.	60	8	T	50		9,450 (4-1-37)	60.4 (4-1-37)
*K 76	Monti-Van Iderstine, Inc. (1)	213 Tillary St.	94	8	200 T	100	-27 (1936)	137 (12-30-36)	57.5 (12-30-36)
K 78	Vm. Randall & Son, Inc.	104 Ashland Pl.	110	6	200	100			
K 79	Wallace & Co. (1)	109 Washington Ave.	102	8-5.5	P	30			
	Do. (2)	do.	81	6-4.5	T	250			
*K 80	Rockwood Chocolate Co. (1 to 3)	Park & Washington Aves.	100	16-12 12-10	T	650		58 (3-29-37)	58.5 (3-29-37)
K 81	Hall Street Cold Storage Co. (1&2)	14 Hall St.	104	8-16	500 T	250			
K 82	Kings County Refrigerating Co. (1&2)	30 Hall St.	87	12	825	390			

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 83	Mergenthaler Linotype Co.	44 Ryerson St.	117	8	90 P	55			
K 84	Bommer Spring Hinge Co.	261 Classon Ave.	113	6	P	28	-23 (1936)		
K 85	Hygrade Food Products Corp.	195 Wilson Ave.	92	10-8	125 T	220		54 (1934)	
*K 86	Novia Candy Co.	41 Wykoff Ave.	56	8-6	T	200		29 (4-5-37)	55.2 (4-5-37)
K 87	Ort & Co., Inc.	217 Wykoff Ave.	70	4	P	25		50 (1934)	
K 88	North American Brewing Co. (1&2)	1306 Green Ave.	85	8-6	T	300		43 (4-5-37)	55.8 (4-5-37)
*K 89	H. C. Bohack Co. Inc.	42 Goodwin Pl.	72	8	100			34 (4-5-37)	56.1 (4-5-37)
K 90	Gates Theater Loews	1338 Broadway	109	8	C	600			
K 91	Norwood Bros.	315 Van Buren St.	136	4-3		60	-23 (1935)	42 (1934)	
K 92	St. John's University	75 Lewis Ave.	185	6					
K 93	Kings Brewery Inc. (1)	225 Pulaski St.	119	12	T	400		48 (1932)	
*K 94	Guardino Ice Cream Co.	1046 Myrtle Ave.	125	5	300 T	750		59 (3-29-37)	56.0 (3-29-37)
*K 95	Dangler-Kruss Corp.	722 Myrtle Ave.	108	8	150 T	120		62 (3-29-37)	58.2 (3-29-37)
*K 96	Y. M. C. A.	1125 Bedford Ave.	74	10-8	C	300			
K 97	The Borden Co.	32 Lexington Ave.	124	8	T	300		60 (1934)	
K 98	Fanny Farmer Candy Shops, Inc.	83 Clifton Pl.	110	12	450 T	350		43 (5-4-37)	56.6 (5-4-37)

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner <u>a/</u>	Location	Depth (ft.) <u>b/</u>	Diameter (in.)	Pump Capacity (g.p.m.) <u>c/</u>	Yield (g.p.m.) <u>d/</u>	Water Level (ft.) <u>e/</u>	Chloride (p.p.m.) <u>f/</u>	Temperature (°F.)
K 99	I. C. Baker	325 Classon Ave.	116	6- 4	P	49			
K 100	Kayser Silk Co.	233 Taaffe Pl.	117	7- 4		250			
*K 101	Renken Dairy Co. (1)	131 Emerson Pl.	112	10- 8	T	250		50 (4-22-37)	55.4 (4-22-37)
K 102	Pratt Institute	Willoughby & Grand Aves.	111	10	350 T	250		40 (1934)	
K 103	Grossman Shoe Co.	368 DeKalb Ave.	85	6- 4					
K 104	The Borden Co.	798 Fulton St.	127	12-10	T	240		32 (1934)	
*K 105	Y. M. C. A. (1)	55 Hanson Pl.	266	12- 8	P	20		34 (1930)	
*	Do. (2)	do.	134	10- 8	P			70 (1930)	
*	Do. (3)	do.	115	36-10	200 T	250			57
*K 106	Metro Chocolate Co.	63 Carlton Ave.	129	4	T	250		53 (6-29-37)	55.0 (6-29-37)
K 108	Brooklyn Daily Eagle	Washington & Johnson Sts.	80	8- 6		140			
K 109	Crescent Athletic Club	127 Pierrepont St.	150	4	P	150		340 (6-3-37)	62.1 (6-3-37)
*K 110	St. George Hotel (1)	51 Clark St.	139	16-12	500 T	500	-2 (1929)	17,950 (4-1-37)	58.3 (4-1-37)
	Do. (2)	do.	141	16-12	500 T	500		12,500 (12-29-36)	59.4 (12-29-36)
K 111	Mason's Candy Co.	73 Middagh St.	84	8	200 T	125			
K 112	Cameron Machine Co.	61 Poplar St.	87	6	T	50			

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 113	E. R. Squibb & Sons	23 Vine St.	73	12- 6	T	200	+5 (1935)	14,000	
K 114	International Provision Co.	33 De Graw St.	60	6& 8					
K 115	B. P. O. E.	110 Livingston St.	78	12-10			-14 (1933)		
K 116	Abraham & Straus (1)	420 Fulton St.	90	8- 6	T	300	-13 (1933)		
K 117	Fredrick Looser & Co. (1 & 2)	Livingston & Bond Sts.	107	30-12	1,000 T	1,000			65 (1936)
*	Do. (3 & 4)	do.	101	8- 6	T	350		294 (1934)	
*K 118	Exlax Inc.	423 Atlantic Ave.	100	8	150 T	100		600 (6-15-37)	57.3 (6-15-37)
K 119	Y. W. C. A. (1 & 2)	50 Nevins St.	84	10- 6	P		-4 (1917)	375 (9-9-36)	57.6 (7-10-36)
K 120	The Borden Co. (1 & 2)	90 3d Ave.	90	10	500 T	550	-10 (1927)		
K 121	Commonwealth Chemical Co.	223 Nevins St.	58	8	T	150	-30 (1936)	142 (1934)	56 (1936)
K 122	McGratty & Sons	313 Butler St.	164	8	42 A	143			
K 123	Heinlein Stone Co.	555 President St.	72	10- 6	P	50			
*K 124	K & O Co.	366 Butler St.	70	4	P	60	-1 (1934)	61 (4-29-37)	55.4 (4-29-37)
K 125	Ft. Greene Refrigerating Service, Inc. (1)	S. Elliot Pl. & Atlantic Ave.	116	10- 8	P	150		147 (6-29-37)	57.4 (6-29-37)
	Do. (2)	Ft. Green Ave. & Atlantic Ave.	120	18-10	500 T	100			
K 127	Sheffield Farms Co. Inc. (1 & 2)	Carlton & Pacific Sts.	68	6	P	100	-3 (1934)		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 128	Ward Baking Co.	802 Pacific St.	91	10			-9 (1934)		
*K 129	Knox Hats (2)	Grand & St. Marks Aves.	155	8	T	300		14 (1929)	
K 130	Savoy Theater	1515 Bedford Ave.	200	36-8	400 C	400		41 (9-14-36)	54.5 (9-14-36)
K 131	Sheffield Farms Co., Inc. (1)	1380 Fulton St.	187	6		250	-18 (1936)	60 (7-7-36)	56.8 (7-7-36)
*	Do. (2)	do.	147	30-16	1,000 T	850	-18 (1936)	59 (6-29-37)	64.5 (6-29-37)
	Do. (3)	do.	312	10-6	C	250	-18 (1936)	50 (7-7-36)	53.7 (7-7-36)
*K 132	Purity Bakeries	Pacific & Schenectady Aves.	96	6	C	100		42 (3-30-37)	56.2 (3-30-37)
K 133	Lotz Cleaners	9 Chauncey St.	160	2		150			
K 134	Schumers Baths	1389 E. New York Ave.	210	8	P			142 (1934)	
K 135	Ferndale Farms Inc.	219 Liberty Ave.	106	8	C	200			
*K 136	Piel Bros. (1)	Georgia & Liberty Aves.	124	36-15	1,200 T	1,200		26 (6-29-37)	62.5 (6-29-37)
*	Do. (2)	do.	119	8-6	T	600		26 (6-29-37)	62.5 (6-29-37)
*	Do. (3)	do.	119	8-6					
*K 137	The Borden Co. (1 & 2)	2840 Atlantic Ave.	95	10-8	680 T	720		43 (4-22-37)	56.4 (4-22-37)
*K 138	Roberts Numbering Machine Co.	706 Jamaica Ave.	70	8-6		35	-10 (1936)	11 (4-5-37)	54.8 (4-5-37)
K 139	Cypress Hills Swimming Pool, Inc. (1 to 5)	852 Jamaica Ave.	105	10-8		1,000	-6 (1936)		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner <u>a/</u>	Location	Depth (ft.) <u>b/</u>	Diameter (in.)	Pump Capacity (g.p.m.) <u>c/</u>	Yield (g.p.m.) <u>d/</u>	Water Level (ft.) <u>e/</u>	Chloride (p.p.m.) <u>f/</u>	Temperature (°F.)
K 140	Wm. Force Co.	216 Nicols Ave.		2	P	50			
*K 141	W. M. Evans Dairy Co. Inc.	3480 Fulton St.	72	10-8	T	250	-3 (1936)	26 (4-5-37)	58.2 (4-5-37)
*K 142	Wortman Dairy Farms	549 Wortman Ave.	64	2	P	15	-1	82 (12-33-36)	53.6 (12-23-36)
*K 143	Crescent Farms Inc. (1)	923 Essex St.	47	4	S	30		34 (1934)	
	Do. (2)	do.	80	8-6		50			
*K 146	York Farms, Inc.	647 Powell St.	116	6	T	200	+1 (1934)	94 (3-30-37)	56.2 (3-30-37)
K 147	Cato Milk Co.	173 Lott St.	72	8-6	T	180		65 (1933)	
K 148	Rubel Ice Corp.	Lott & Rockaway Aves.	85	10-8		350		86 (4-29-37)	54.4 (4-29-37)
K 149	Knickerbocker Ice Co. (1 & 2)	Dumont & Powell Sts.	150			450	-3 (7-7-33)		
K 150	Meltzer & Son. (1 & 2)	380 Snediker Ave.	46	6-4	P	.			
K 151	Rubel Ice Corp. (1)	491 Blake Ave.	95	8	T	750			
K 153	Eisenberg Farms Inc.	298 Junius St.	75	8	250 T	300		62 (1932)	
K 154	Great Laundry Co. (1 & 2)	196 Junius St.	64	10-8	T	225			
*K 155	R. Sanders Theater	188 Prospect Park W.	202	10	300 T	250	-6 (1933)		
K 158	Doehler Die Casting Co.	187 W. 9th St.	164	10	P	260		1,300 (1934)	
*K 159	American Molasses Co. of New York	Richards & Beard Sts.	87	8	T	150		20,000 (4-1-37)	54.9 (4-1-37)

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e	Chloride (p.p.m.) f/	Temperature (°F.)
*K 160	U. S. Naval Supply Depot. (1 to 4)	3d Ave. between 31st & 32d Sts.	86	8- 6	S	200		7,000 (4-2-37)	56.9 (4-2-37)
*K 161	Bush Terminal Co.	3d Ave. between 32d & 33d Sts.	79	8- 6	S	200		7,000 (4-2-37)	56.9 (4-2-37)
K 163	Do.	3d Ave. between 36th & 37th Sts.	83	8- 6	S			3,000 (1931)	
*K 164	Do.	2d Ave. between 39th & 41st Sts.	66	8- 6	S	450		4,550 (12-30-36)	59.1 (12-30-36)
*K 165	Montrose Corp.	136 41st St.	93	8- 6	200 T	150	-2 (1936)		
K 166	National Meter Co. (1)	4201 1st Ave.	102	6	S	220	-4 (1934)		
	Do. (2)	do.	235	6	S	250	-4 (1934)		
K 169	Dyer Supply Co.	49th St. & 2d Ave.	54	3	S	15		78 (1934)	
*K 170	Bush Terminal Co.	Pier No. 2 near 1st Ave. & 48th St.	77	8	S	100			
*K 171	Kings County Gas Co.	1st Ave. between 54th & 55th Sts.	74	8- 6	S	30	-1 (1922)	70 (4-2-37)	64.1 (4-2-37)
K 172	J. M. Huber Inc.	600 62d St.	120	12-10	300 P	100	-2 (1934)	32 (1934)	
K 173	Flagg Court	Ridge Blvd. between 72d & 73d Sts.	170	12- 6	T	360			
*K 174	Avenue P Operating Co.	433 Ave. P.	120	6	T	150	-2 (1933)	29 (9-11-36)	54.9 (9-11-36)
K 175	J. Wehman	1302 Kings Highway	38		P	15			
K 176	Feltman Restaurant	Surf Ave. & Jones Walk	63	10- 8	S	150			
K 177	Washington Baths Inc.	3043 W. 21st St.	28	2	S		0		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 178	Silvers Baths	3054 W. 23d St.	138	4	S	50	0	26,200 (4-2-37)	50.7 (4-2-37)
K 179	C. Lehman Packing Co. (1 to 3)	321 Johnson Ave.	76	8- 6	T	750			
K 180	A. Aaron Corp. (3)	335 Johnson Ave.	71	10- 8	T	150			
K 181	Gotham Packing Co. (1)	352 Johnson Ave.	70	10- 6	P	60			
	Do. (2)	do.	70	10- 6	225 T	200			
*K 182	M. H. Nagle, Inc. (1)	300 Johnson Ave.	94	10- 8	T	250		910 (1934)	
	Do. (2)	do.	74	10- 8	P	90			
*K 183	Elbee Chocolate Co., Inc. (1)	30 S. 9th St.	57	6-4.5	P	100	-16	18,400 (3-31-37)	57.8 (3-31-37)
*K 184	Dime Savings Bank	DeKalb Ave. & Fulton St.	105	18-12	350 T	450		700 (7-13-37)	63.7 (7-13-37)
K 185	J. Cavanagh Corp. (1 to 3)	11 Hope St.	43	2		57			
K 187	Poert & Posner	3030 Brighton 12th St.	115	6	S	90	0		
*K 188	J. Rosenberg Sons. (1)	58 Townsend St.	46	8- 6	T	100	-6	1,650 (4-22-37)	60.8 (4-22-37)
*	Do. (2)	do.	60	8- 6	T	100	-3		
K 189	Giorgio Ice Corp. (1 & 2)	501 Christopher Ave.	84	8	T	800	-8 (1934)	40 (1934)	
K 190	D. Blumberg & Son. (1)	312 Christopher	51	8- 6	T	35			
	Do. (2)	do.	96	8- 6	150 T	50			

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.) c/	Pump Capacity (g.p.m.) d/	Yield (g.p.m.) e/	Water Level (ft.) f/	Chloride (p.p.m.) g/	Temperature (°F.) h/
*K 191	Russian Baths	296 Christopher Ave.	78	6	100 T	100			
K 192	Schnell Russian Baths	392 Wyona St.	60	6-4	80 S	30			
K 193	Rex Ice Co.	8702 Ditmas Ave.	53	2		75	-4	72 (1934)	
K 194	Farragut Pool, Inc. (1 to 3)	1525 E. 41st St.	65	10-8		300		26 (1934)	
K 195	Rubel Ice Corp. (1)	2145 Tilden Ave.	77	18-8	T	700		32 (6-29-37)	56.2 (6-29-37)
	Do. (2)	do.	74	10	P	350			
K 196	Knickerbocker Ice Co. (1)	37th St. & 12th Ave.	122	10	T	600		25 (4-1-37)	54.6 (4-1-37)
	Do. (2)	do.	140	12	T	300		27 (12-28-36)	54.7 (12-28-36)
K 197	Boro Park Baths	1269 43d St	70	8					
K 198	Knickerbocker Ice Co.	823 E. 32d St.	40		A	300			
*K 199	M. Mac Levy (1 & 2)	1306 Coney Island Ave.	65	8	S	120		16 (4-1-37)	58.0 (4-1-37)
K 200	Knickerbocker Ice Co. (1 & 2)	Hocutt Ave. & E. 16th St.	75	8-6	S	325			
	Do. (3)	do.	80	8	T	275	-3	59 (9-17-36)	53.0 (9-17-36)
*K 201	Traymore Theater	Ave. N. & 46th St.	93	6	150 T	150	-4 (1933)	25 (9-3-36)	56.9 (9-3-36)
K 202	Knickerbocker Ice Co.	2112 Coyle St.	40	2		20		48 (1934)	
*K 204	Do. (1 to 7)	E. 18th St. & Ave. Z.	60	2, 6, 8	S	500		9,900 (9-18-36)	54.3 (4-2-37)

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 205	Manhattan Beach Baths.	Oriental Blvd. & Hastings St.	90	8	4,250 S	3,000	0	10,850 (9-18-36)	57.1 (9-18-36)
K 206	Garden Association	3033 Brighton 14th St.	60	8-6	S	60	0	11,650 (7-23-36)	67.5 (7-23-36)
*K 207	Wilmer Corp.	2980 Brighton 12th St.	80	8	S		0		
*K 208	Humzyuski	2964 Brighton 12th St.	80	8	S		0		
*K 209	Kishner	2954 Brighton 12th St.	80	8	S		0		
*K 210	Oceania Theater (1)	Coney Island & Brighton Beach Aves.	147	10	400 T	500	+2 (1934)	13,100 (7-23-36)	55.0 (7-23-36)
*	Do. (2)	do.	80	8					
*K 211	Calmbach Realty Co.	101 Brightwater Court	90	6		50	0		
*K 212	Spitzer Realty	3137 Brighton 7th St.	90	6		50	0		
*K 213	Hubbard Realty	3110 Brighton 7th St.	90	6	S	50	0		
*K 214	Greenpoint Properties, Inc.	3130 Brighton 6th St.	100	6		50	0		
*K215	Friedland	3152 Brighton 6th St.	80	6		50	0		
*K 216	Tischman-Goodman	3108 Brighton 5th St.	100	6	S	50	0		
*K 217	Darby Development Co.	3091 Brighton 5th St.	100	6	S	50	0		
*K 218	Brighton Tower	3120 Brighton 5th St.	90	6	S	50			
*K 219	Goldstein	301 Brightwater Court.	90	6	S	50	0		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 220	Beach Association.	3115 Brighton 4th St.	120	4	S	50	0		
*K 221	Montel Realty Co.	3110 Brighton 4th St.	90	6	S	50	0		
*K 222	Beach Association.	3093 Brighton 4th St.	120	6	S	50	0		
*K 223	Lakeland Properties.	3100 Brighton 2d St.	110		S	80	0		
*K 224	Bunting Realty	3100 Brighton 3d St.	90	6	S	50	0		
*K 226	W. P. & L. Realty Corp.	601 Brightwater Court	125	6	S	50	0		
*K 227	Kilokow	3111 Brighton 1st Pl.	90	6	S	50	0		
*K 228	Lipoff	3102 Brighton 1st Pl.	75	5	S	50	0		
*K 229	Kenmoss Realty	3100 Ocean Parkway	100	6	S	50	0	4,750 (4-2-37)	57.9 (4-2-37)
K 230	Wards Baths	Bowery & W. 12th St.	70	3	S	50		390 (9-11-36)	60.4 (9-11-36)
K 231	Knickerbocker Ice Co.	1501 Hart Pl.	200		S	900	-1 (1933)		
*K 232	Rubel Ice Corp.	920 Franklin Ave.	90	6	S	600			
*K 233	Do.	Hamilton Ave. & Conover St.	58	8-6		1,000	0 (1933)		
K 234	Phoenix Metal Cap Co., Inc.	3720 14th Ave.	104	8-6	P	60			
K 235	General Linen Supply & Laundry Co. Inc. (1 & 2)	Myrtle & Marcy Aves.	93	8	600 T	300	-22 (1933)	55 (1933)	

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 236	Provincial Distilleries, Ltd., Inc.	127 Forrest St.	107	8-6	T	69	-10		
*K 237	Splendid Laundry Service Co.	1750 E. 49th St.					+1.5 (1934)	10 (1933)	
K 239	Rohman Bode	8189 Harrison Pl.	68	6	T				
K 240	Ideal Toy & Novelty Co.	273 Van Sinderin Ave.	102	10-8	T	150			
*K 244	Berkshire Theater	5991 8th Ave.	121	8	215 T	295			56 (1934)
*K 245	Ritz Theater	4509 8th Ave.	177	10-8	200 T	270			55 (1934)
*K 246	Astor Theater	927 Flatbush Ave.	92	12-8	140 T		-11 (1934)		
*K 247	Canarsie Theater	9310 Avenue L.	79	10	280 T		-4 (1934)		
*K 248	Linden Farms Milk & Cream Co. Inc.	400 Stanley Ave.	73	8-6	120 T	60		4,700 (3-30-37)	55.3 (3-30-37)
*K 249	Kismet Theater	785 DeKalb Ave.	106	10	250 T	315	-21 (1934)		53 (1934)
K 250	Yukon Ice Cream Co.	401 Blake Ave.	78	6	T	45			
*K 251	Park Theater	4322 5th Ave.	173	10	300 T	350	-6 (1934)		54 (1934)
*K 252	Prospect Theater	527 9th St.	141	12	500 T	400		81 (12-29-36)	56.9 (12-29-36)
K 253	Delia Waste Products Corp.	1561 Dean St.	154	10-8	69 T	68	-16 (1934)	30 (1934)	
*K 254	Bushwick Theater	1396 Broadway	103	30-12	400 T	375	-12 (1935)		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 255	Broadway Theater Loews	912 Broadway	135	36-12	T	450			
*K 256	State Theater	492 DeKalb Ave.	106	8	210 T	250			55 (1934)
*K 257	Trans Lux Theater	561 Fulton St.	101	8	150 T				
*K 258	Knickerbocker Ice Co. (1 to 3)	Bond & Douglass Sts.	131	8	1,300 T	750	-12 (7-5-33)	3,900 (6-1-37)	56.3 (6-1-37)
*K 259	Mays Dept. Store	510 Fulton St.	76	8	250 T	200			
*K 260	Albee Theater R.K.O.	1 DeKalb Ave.	109	30-12	400 T	300	-23 (1935)	750 (6-22-37)	60.7 (6-22-37)
*K 261	Metropolitan Theater, Loews	392 Fulton St.	75	12-10	T	450	-13 (1934)	1,500 (7-6-37)	61.0 (7-6-37)
*K 263	Chieffetz & Greenberg	232 Hudson St.	111	8-6	200 T	200		275 (1934)	
K 264	Gardine Lucas	99 Gold St.	112	8	200				
K 265	Jones Bros. Tea Co.	68 Jay St.	50	8-6					
*K 266	Diamond Candle Co. (1)	1075 Metropolitan Ave.	63	8-6	T	500		3,950 (4-22-37)	57.2 (4-22-37)
*	Do. (2)	do.	80	15-12	T	250		4,250 (4-22-37)	57.2 (4-22-37)
*K 269	Summer Theater	265 Summer Ave.	116	8	175 T	175			57 (1934)
*K 271	Joe's Restaurant	330 Fulton St.	130	10-8	T	200			
*K 272	Orpheum Theater R.K.O.	578 Fulton St.	91	30-10	350 T	375	-18 (1935)	58 (6-29-37)	64.0 (6-29-37)
K 274	Towers Hotel	Willow & Clark Sts.	109	12-8	T	750			

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 275	F. & M. Schaefer Brewing Co.	Kent Ave. & S. 10th St.	75	6	T	200			
*K 276	The Namm Store	452 Fulton St.	117	36-12	600 T	660			
*K 277	Joe's Restaurant	8 Nevins St.	100	8	200 T	200	-8		
K 278	Bowey's Inc. (2)	771 Bedford Ave.	90	8	T	200			
*K 279	Arabol Mfg. Co.	56 Nostrand Ave.	87	8-6	200 T	300			
*K 285	Boro Park Theater Loews	New Utrecht Ave. & 51st St.	127	12		570			55 (1935)
*K 290	Melba Theater Loews	300 Livingston St.	112	12	550 T	550	-22 -26 (1936)		57 (1936)
*K 295	Kingsway Theater	946 Kings Highway	90	10	350 T	360	+1 (1935)	25 (9-17-36)	59.2 (9-17-36)
*K 296	Fourty-sixth St. Theater, Loews	New Utrecht Ave. & 46th St.	134	12	T	550		17 (9-17-36)	67.6 (9-17-36)
*K 298	Cabin Grill	874 Flatbush Ave.	88	6	120 T				56 (1936)
*K 299	Central Ice Co., Inc.	Irving Ave. & Moffat St.	130	36-12	T	800		11 (6-29-37)	67.1 (6-29-37)
*K 300	Avenue D Theater	Avenue D & E. 43d St.	71	6	125 T		-8 (1935)	53 (9-3-36)	57.4 (9-3-36)
*K 301	Patio Theater	574 Flatbush Ave.	145	12	500 T			53 (8-10-36)	55.3 (8-10-36)
*K 303	Serota Ice Co. Inc.	1469 Utica Ave.	104	24-12	1,015 T	1,000	-7	258 (6-9-37)	63.0 (6-9-37)
*K 304	Marine Theater	1985 Flatbush Ave.	93	10	430 T		+2 (1935)	20 (9-2-36)	56.0 (9-2-36)
*K 308	Fortway Theater	6720 Ft. Hamilton Parkway	147	12	525 T	550	+3 (1936)		56 (1936)

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 309	Horn & Hardart Co.	3 Willoughby St.	137	30-10	250 T	250			64 (1936)
*K 311	Walker Theater	6401 18th Ave.	96	30-10	300 T	350	-2 (1936)	39 (7-15-36)	58.7 (7-15-36)
*K 316	Stanley Theater	7415 5th Ave.	120	8	125 T	150	+1 (1936)		57 (1936)
*K 318	Tilyou Theater R. K. O.	17th St. & Surf Ave.	140	12	350 T	350	0 (1936)		57 (1936)
*K 319	Dyker Theater R. K. O.	525 86th St.	127	10-8	T	350	-3 (1936)	21 (7-30-36)	56.4 (7-30-36)
*K 320	F. W. Woolworth Co.	532 Fulton St.	114		400 T				
*K 323	Rogers Theater	333 Rogers Ave.	139	10-6	130 T		-5 (1936)		55 (1936)
*K 325	Flatbush Theater	2211 Church Ave.	130	8	T	300	-6 (1936)		57 (1936)
*K 326	Alba Theater	750 Flushing Ave.	114	10	275 T				
*K 327	Ambassador Theater	776 Saratoga Ave.	79		T				64 (1936)
*K 328	Benson Theater	2007 86th St.	116	10	275 T	200	+1 (1936)		55 (1936)
*K 329	Carroll Theater	381 Utica Ave.	125	30-10	375 T				
*K 331	Commodore Theater	329 Broadway	106	10	275 T	400	-20 (1936)		56 (1936)
*K 335	Hoffman Restaurant	1527 Pitkin Ave.	107	8	200 T	400			58 (1936)
*K 340	Tivoli Theater	365 Fulton St.	138	10	325 T	390	-11 (1936)	4,000 (7-6-37)	65.9 (7-6-37)
*K 341	Triangle Theater	1211 Quentin Rd.	103	8	T				

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 342	J. P. Day. (1 to 4)	1120 Brighton Beach Ave.	100	6	S	300	0		
*K 344	American Can Co. (1 to 6)	43d St. & 2d Ave.	66	8	T	900	-2 (1932)		57
*K 345	Empire Malt Corp.	68 3d St.	146	8	450 T		-12 (1936)		
*K 347	Mermaid Construction Co.	892 Flatbush Ave.	97	12-8	200 T	200			55 (1936)
K 353	New Bath Co. Inc.	32 Clinton St.	85	6	100				
*K 371	City of New York, Dept. Water Supply (1 & 2)	Gerritsen & Seba Aves.	600	6	1,200 C	1,200		3 (1928)	
K 388	Margaret Hotel	97 Columbia Heights	109	6	P				
K 403	Euclid Candy Co.	82 Leonard St.	64	6-4	75 T	75		115 (5-29-37)	57.7 (5-29-37)
K 406	Rubel Ice Corp.	750 Chauncey St.	124	8-6	300 A	200			
*K 426	Congress Brewery	Meserole & Humboldt Sts.	140	10					
K 428	Shapiro & Aronson	245 Glenmore Ave.	97	8	200				
K 433	Acme Ice Cream Co.	2840 Cortland St.	43	4			+3 (1921)		
K 434	Louis Baldinger & Sons, Inc.	59 Harrison Ave.	56	6	P		-9 (1929)		
K 435	Brooklyn Union Gas Co.	176 Remsen St.	110	10-8	P	50	-14 (1930)		
K 439	Bay Ridge Dock Co. Inc. (1 & 2)	1st Ave. & 58th St.	100	8-6		400			
K 443	Supreme Coal & Ice Corp.	362 Lexington Ave.	113	18-12	C T	600	-12 (1927)	57 (6-3-37)	55.7 (6-3-37)

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner <u>a/</u>	Location	Depth (ft) <u>b/</u>	Diameter (in.)	Pump Capacity (g.p.m.) <u>c/</u>	Yield (g.p.m.) <u>d/</u>	Water Level (ft.) <u>e/</u>	Chloride (p.p.m.) <u>f/</u>	Temperature (°F.)
K 444	Sweeney Mfg. Co.	30 Main St.	74	8-6	S		+5 (1919)		
*K 450	Brooklyn Borough Gas Co. (1)	Neptune Ave. & W. 12th St.	523			100			
K 454	Electro-Neon Sign Co.	204 Varet St.	75	8	40 P				
K 457	Butler Bros.	2 Degraw St.	57	8	235 T	235	-4	11,400 (6-2-37)	56.9 (6-2-37)
*K 458	American Sugar Refining Co.	Kent Ave. & S. 2d St.	75	12					
*K 459	Atlantic Yeast Corp. (1)	642 Dean St.	128	8	200 T	200	-28 (1935)		
K 460	S. Haskel & Sons	100 Harrison Pl.	60	8	200 T	200			
*K 461	Knickerbocker Ice Co.	Kingsland Ave. Lombardy St.	99	6	30		+10 (1915)		
K 462	Murcott & Campbell	N. 11th St. & Union Ave.	40	4	30 S			60 (5-27-37)	60.4 (5-27-37)
K 463	J. S. & W. R. Eakins	N. 10th & Berry Sts.	47	6	20		-1 (1917)		
*K 464	Up to date Silk & Yarn Dyeing Co.	Strickland & Mill Aves.	494	10-8	300 T	300	+6	12 (6-3-37)	61.4 (6-3-37)
*K 465	Eastern Farms Products Co. Inc.	Cakland & Du Pont Sts.	181	8-6	200 T	150		4,925 (5-27-37)	55.9 (5-27-37)
K 466	J. Sklar Holding Co.	133 Floyd St.	64	6	100				
*K 469	Agash Refining Corp.	129 47th St.	70	8	T	65	-4 (1935)		
K 472	E. R. Squibb & Sons	Columbia Heights & Poplar St.	75	6	75				
K 487	Rigney & Co.	348 Park Ave.	117	8	P	135			55

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 488	Reliance Beef Co.	1940 Fulton St.	88		P	18		68 (6-9-37)	55.9 (6-9-37)
K 491	Williamsburgh Refrigerating Co. Inc.	108 N. 6th St.	96	6	25				
K 497	Joseph Kiefer, Inc.	2775 Atlantic Ave.	63	4	P	12			
K 499	Rapsil Construction Co.	Bedford Ave. & Erasmus St.	108	8	P	50			
*K 500	New York Water Service Corp. (1 to 233)	New York & Foster Aves.	47 to 154	5 - 8	S		-7 (1935)	134 (1935)	
*K 501	Do. (F 1)	363 Dahill Rd.	103	24	1,260 T	1,260	-5.2 (1935)	24 (1936)	
*K 502	Do. (F 2)	Newkirk & E. 31st St.	101	26	1,300 T	1,500	-8.6 (1935)	16 (1936)	
*K 503	Do. (F 3)	401 McDonald Ave.	137	38-10	1,000 T	1,000	-8.5 (1935)	30 (1936)	
*K 504	Do. (F 4)	Foster & Albany Aves.	109	56-24	1,000 T	1,300	-7.3 (1935)	30 (1936)	
*K 505	Do. (F 5)	Foster & Nostrand Aves.	92	38-24	1,550 T	1,550	-4.7 (1923)	78 (1936)	
*K 506	Do. (F 6)	725 Utica Ave.	95	38-24	1,000 T	1,050	-17.1 (1935)	26 (1936)	
*K 507	Do. (F 7A)	Troy Ave. & Rutland Rd.	92	38-26	1,161 T	1,161	-19.9 (1936)	39 (1936)	
*K 508	Do. (F 8)	807 Caton Ave.	116	38-24	1,250 T	1,250	-11.4 (1935)	28 (1936)	
*K 509	Do. (F 9)	Foster Ave. & E. 39th St.	97	38-26	1,300 T	1,300	-2 (1924)		
*K 510	Do. (F 10)	Louisa & 36th Sts.	111	38-26	1,100 T	1,100	-6.9 (1935)	25 (1936)	

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 511	New York Water Serv. Corp. (F 11)	Albany Ave. & Farragut Rd.	92	38-24	1,050 T	1,450	-6.1 (1935)		
*K 512	Do. (F 12)	518 Coney Island Ave.	102	38-26	1,185 T	1,185	-10.5 (1935)	27 (1936)	
*K 513	Do. (F 13)	865 McDonald Ave.	92	38-26	1,000 T	1,020	-1.8 (1935)	64 (1936)	
*K 514	Do. (F 14)	1267 Utica Ave.	90	38-26	1,272 T	1,272	-7.1 (1936)	45 (1936)	
*K 515	Do. (F 15)	Foster Ave. & E. 39th St.	341	18-12	1,116 T	800	+1 (1926)		
*K 516	Do. (F 16)	E. 98th St. & Rutland Rd.	101	38-26	1,000 T	1,000	-17.6 (1935)	45 (1936)	
*K 517	Do. (F 17)	311 Empire Blvd.	291	38-12	900 T	900	-21.9 (1935)	14 (1936)	
*K 518	Do. (F 18)	Albany Ave. & Farragut Rd.	315	18-8	867 T	867	-0.8 (1935)		
*K 519	Do. (F 19)	Troy Ave. & Rutland Rd.	239	28-18		1,800	-17.3 (1935)	62 (1936)	
*K 520	Do. (F 20)	E. 98th St. & Rutland Rd.	295	28-18		1,900	-14.7 (1935)	28 (1936)	
*K 521	Do. (F 21)	1063 Utica Ave.	418	28-18		2,400			
*K 522	Do. (F 22)	18 Erasmus St.	293	28-18		2,200	-12.9 (1935)	22 (1936)	
*K 523	Do. (F 23)	267 Newkirk Ave.	268	28-18	2,000 T	2,055	-5.4 (1935)		
*K 524	Do. (F 24)	725 Utica Ave.	287	28-18		2,200	-15.6 (1935)	74 (1936)	
*K 525	Do. (F 25)	363 Dahill Rd.	300	28-18		2,200	-0.9 (1935)		
*K 526	Do. (F 26)	1015 Franklin Ave.	358	28-18	2,200 T	2,200	-20.3 (1935)	21 (1936)	

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/ (F 27)	Location	Depth (ft.) b/	Diam- eter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 527	New York Water Service Corp.	20 Erasmus St.	135	12	T	870	-14.4 (1935)	53 (1936)	
*K 528	Do. (F 28)	716 Parkside Ave.	303	28-18	T	2,180	-17.2 (1935)	36 (1936)	
*K 529	Do. (F 29)	401 McDonald Ave.	145	12	T	893	-8.6 (1935)	24 (1936)	
*K 530	Do. (F 30)	912 Cortelyou Rd.	145	50-18	T	1,900	-6.4 (1935)	34 (1936)	
*K 532	Do. (Test well)	E. 31st St. & Foster Ave.	461	10-8					
*K 533	Do. (Test well)	E. 98th St. & Rutland Rd.	290	8					
*K 534	Do. (Test well)	Foster & New York Aves.	311	6					
*K 535	City of New York, Dept. Wat. Supply (Gravesend No. 1)	Avenue S & E. 16th St.	92	6	S			100 (1932)	
*K 537	Do. (Canarsie Stove- pipe No. 1.)	Avenue D & Remsen Ave.	213	24					
*	Do. (Canarsie No. 5)	do.	168	6	S			24 (1931)	
*	Do. (Canarsie No. 17)	do.	74	6	S				
*K 538	Do. (New Lots No. 9)	Fountain & Blake Aves.	172	6	S			17 (1931)	
*K 541	Blythebourne Water Co.	74th St. & 11th Ave.	120						
*K 543	City of New York, Dept. Wat. Supply (Ridgewood Reser- voir test well 5)	Jamaica & Force Tube Aves.	284	5			+17 (1895)		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
K 552	Equity Marble Co.	795 Stone Ave.	59	6	S	75			
K 553	Holland Farms, Inc. (2)	370 DeWitt Ave.	40	6- 2	C	22		290 (4-29-37)	55.7 (4-29-37)
K 555	Kroder Reubel Co. Inc.	108 Meeker Ave.	71	8- 6	30 P			70 (5-27-37)	
*K 557	Old Dutch Brewers Inc. (1)	Glenwood & Farragut Rds.	63	8- 6	T	200		36 (3-30-37)	54.5 (3-30-37)
K 573	Saltser & Weinsier, Inc.	175 Cook St.	83	10	60 T	45			
*K 575	Enterprise Theater	711 Kings Highway	113	8- 4	125 T		-1 (1936)		
*K 576	Harbor Theater	9215 4th Ave.	120	10- 8	250 T		+2 (1934)		54 (1934)
*K 577	Mill Basin Asphalt Corp.	E. 54th St. & Avenue U.	100	6- 4	69 T	120		17,350 (5-13-37)	55.5 (5-13-37)
*K 578	Parkway Cafeteria	1632 Pitkin Ave.	92	8	150 T				56 (1935)
*K 579	Socony-Vacuum Oil Co., Inc.	Greenpoint & Kingsland Aves.	825						
*K 580	Quentin Theater	E. 35th St. & Quentin Rd.	69	6	T		-1 (1934)	34 (8-17-36)	57.2 (8-17-36)
K 581	Glenwood Theater	1475 Flatbush Ave.	55	6	T	120	-4 (1935)	18 (8-17-36)	57.3 (8-17-36)
*K 582	Avenue U Theater	Avenue U & E. 16th St.			T			21 (8-10-36)	57.4 (8-10-36)
K 583	Empire City Brewing Co. Inc. (2)	585 Johnson Ave.	65	6- 4	T	59			
*K 584	L. Hepp	7612 5th Ave.	145		T	12			
K 585	New York Distillers Corp. (5 & 6)	7 Van Brunt St.	47		T	120			56

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner <u>a/</u>	Location	Depth (ft.) <u>b/</u>	Diameter (in.)	Pump Capacity (g.p.m.) <u>c/</u>	Yield (g.p.m.) <u>d/</u>	Water Level (ft.) <u>e/</u>	Chloride (p.p.m.) <u>f/</u>	Temperature (°F.)
K 586	Atlantic Storage & Warehousing Corp. (1)	1199 Atlantic Ave.	92	6					
K 590	Joseph Weiss, Inc.	152 Louisiana Ave.	51	6	T	69			
*K 591	G. B. Wheeler	1225 Flushing Ave.	62	6	T	65			
K 592	H. Kirsch & Co.	172 Cook St.	79	6	T	40			54
K 593	G. Schnieder	183 Stockholm St.	55	6	P				
K 594	Scandore Paper Box Co.	35 Steuben St.	89	8-6	T	69		4,700 (6-2-37)	60.1 (6-2-37)
K 600	Waldorf Theater	E. 94th St. & Church Ave.	88	10-8	175 T	200			
K 602	Steel & Tubes, Inc.	72 Scott Ave.	75	8	250			2,325 (5-27-37)	58.2 (5-27-37)
K 604	White Packing Co.	74 Marion St.	101	6	69 T	69		41 (4-29-37)	55.5 (4-29-37)
*K 619	Kings County Ice & Fuel Co.	601 Van Sinderen Ave.	451						
*K 635	Hollywood Theater	7725 New Utrecht Ave.	75	8		75			
*K 636	Endicott Theater	7010 13th Ave.	98	10					
*K 637	Ten Eyck Theater	167 Graham Ave.	100	10-8					
*K 638	David E. Kennedy Inc.	2d Ave. & 8th St.	158						
*K 639	Empire Candle Works, Inc.	13th St. & 3d Ave.	190						
*K 640		Montague St.							

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 641		Pineapple St.							
*K 642		Cranberry St.							
*K 643	City of New York Dept. Wat. Supply (Test well 15)	Kings Highway & E. 35th St.	142	6					
*K 644	Do. (Test well 16)	22d Ave. & 65th St.	153	6					
*K 645	Do.	6th St. & 3d Ave.	96						
*K 646	Do.	5th St. & 4th Ave.	194						
*K 647	Do.	Smith St.	202						
*K 648	Do.	6th St. & 4th Ave.	197						
*K 649	Do.	7th St. & 4th Ave.	200						
*K 650	Do.	4th Ave. & 8th St.	195						
*K 651	Brooklyn Rapid Transit Co.	3d St. & 3d Ave.	165						
*K 652	City of New York, Dept. Wat. Supply	4th Ave.	200						
*K 653	Brooklyn Rapid Transit Co.	3d Ave. & 2d St.	175						
*K 654	City of New York, Board Wat. Supply	Smith & Butler Sts.	159				-4 (6-19-24)		
*K 655	Do.	Atlantic Ave. & Nevens St.	214				-3 (5-28-24)		
*K 656	Do.	Schermerhorn & Nevens Sts.	159				0 (6-24-24)		

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 657	City of New York, Board Wat. Supply	5th Ave. & Dean St.	228						
*K 658	Do.	Myrtle & Clinton Aves.	202				-3 (4-26-24)		
*K 659		Lafayette Ave. & Rockwell St.	170						
*K 660		Flatbush Ave. & Fulton St.	125						
*K 661	City of New York, Board Wat. Supply	Myrtle Ave. & Ashland Pl.	148				-4 (8-4-24)		
*K 662	City of New York, Dept. of Bridges	Washington St.	108						
*K 663	City of New York Board Wat. Supply	Flushing & Clinton Aves.	195				-3 (5-15-24)		
*K 664	Do.	Keap St. & Kent Ave.	179						
*K 665	Do.	East Avenue & C St.	170						
*K 666	Do.	Keap St. & Lee Ave.	214						
*K 667	Do.	Division Ave. & Keap St.	202				-2 (6-2-24)		
*K 668	Do.	Court & President Sts.	200						
*K 669	Do.	2d Pl. & Clinton St.	182						
*K 670	Do.	S. 5th St. & Keap St.	166						
*K 671	Do.	Bridge & Front Sts.	135						
*K 672	Do.	Keap St. & Grand St. Ext.	171						

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 673	City of New York, Board Wat. Supply	Metropolitan Ave. & Keap St.	196						
*K 674	U. S. Navy Department.	Navy Yard Dry Dock No. 4, Wallabout Channel.							
*K 675	City of New York, Board Wat. Supply	Maspeth & Stewart Aves.	222						
*K 676	Do.	Bond & Dean Sts.	163						
*K 677	Do.	Morgan & Maspeth Aves.	215						
*K 678	Do.	Metropolitan Ave. & Humboldt St.	221						
*K 679	Do.	Meeker & Kingsland Aves.	218				2 (5-20-24)		
*K 680	City of New York, Dept. Wat. Supply	Lorraine Ave. & Linden Blvd.	434	8					
*K 682	Quebracho Extract Co.	West & Green Sts.	53						
*K 684	City of New York, Dept. of Bridges	Water & Dock Sts.	104						
*K 685	City of New York, Board of Transportation.	John & Jay Sts.	91						
*K 686	City of New York, Dept. of Docks.	Broadway & S. 6th St.	146						
*K 687	City of New York, Board Wat. Supply	Bedford Ave. & Rodney St.	200						
*K 688	City of New York, Dept. of Docks	N. 7th St.	111						
*K 689	City of New York, Dept. Wat. Supply	Meeker Ave. & Varick St.	160						

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.) c/	Pump Capacity (g.p.m.) d/	Yield (g.p.m.) e/	Water Level (ft.) f/	Chloride (p.p.m.) g/	Temperature (°F.) h/
*K 690	City of New York, Board Wat. Supply	Meeker & Manhattan Aves.	194						
*K 691	Do.	Lorimer & Jackson Sts.	187						
*K 692	City of New York, Dept. of Docks.	Kingsland Ave. & N. Henry St.	85						
*K 693	City of New York, Board of Transportation.	96th St. & 3d Ave.	105						
*K 694	City of New York, Board Wat. Supply	Wyckoff & Hoyt Sts.	107						
*K 695	City of New York, Dept. of Docks.	58th St. & 1st Ave.	41						
*K 696	City of New York, Board of Transportation.	9th St. & 8th Ave.	103						
*K 697	Do.	Flatbush Ave. at Grand Army Plaza.	95						
*K 698	City of New York, Dept. of Docks.	Marginal & 33d Sts.	100						
*K 699	Apartment House.	74th St. & 4th Ave.	141						
*K 700	New York Housing Association.	Henry & Mill Sts.	127						
*K 701	Do.	Bryant & Henry Sts.	83						
*K 702	City of New York, Board Wat. Supply	DeGraw & Smith Sts.	136						
*K 703	Do.	Hamilton Ave. & Coles St.	141						
*K 704	New York Housing Association.	Pioneer & Dwight Sts.	130						

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.) c/	Yield (g.p.m.) d/	Water Level (ft.) e/	Chloride (p.p.m.) f/	Temperature (°F.)
*K 705	City of New York, Dept. of Docks.	Dikeman & Ferris Sts.	151						
*K 706	City of New York, Board of Transportation.	Adelphi St. & Lafayette Ave.	40						
*K 707	Do.	Bedford Ave. & Quincy St.	50						
*K 708	Long Island Railroad	Atlantic Ave.	120						
*K 709	City of New York, Board Wat. Supply	High & Bridge Sts.	139						
*K 710	City of New York, Board of Transportation.	Manhattan Ave. & Green St.	54						
*K 711	City of New York, Dept. of Docks.	Greenpoint Ave.	74						
*K 712	City of New York, Board of Transportation.	92d St. 3d Ave.	69						
*K 713	Do.	Paidge & Shawnet Sts.	52						
*K 714	New York Housing Association.	Hamilton Ave.	100						
*K 715	City of New York, Board Education.	Stagg St. & Manhattan Ave.	120						
*K 716	City of New York, Board of Transportation.	Columbia Hgts. & Orange St.	128						
*K 717	City of New York Board Wat. Supply	Broadway & Division Ave.	202						
*K 718	City of New York, Board of Transportation.	6th Ave. & 82d St.	435						

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner a/	Location	Depth (ft.) b/	Diameter (in.)	Pump Capacity (g.p.m.)c/	Yield (g.p.m.)d/	Water Level (ft.)e/	Chloride (p.p.m.)f/	Temperature (°F.)
*K 719	City of New York, Board of Transportation.	40th St. & 6th Ave.	89						
*K 720	New York Housing Association.	Mill & Clinton Sts.	103						
*K 721	City of New York Board Wat. Supply	3d Ave. & DeGraw St.	85						
*K 722	City of New York, Board of Transportation.	Hicks & Cranberry Sts.	103						
*K 723	Do.	Prospect & Jay Sts.	141						
*K 724	New York Housing Authority	Maujer & Humboldt Sts.	137						
*K 725	City of New York, Board Wat. Supply	Hoyt & Warren Sts.	115						
*K 726	City of New York, Board of Transportation.	4th Ave. & 38th St.	45						
*K 727	Do.	4th Ave. & 32d St	29						

See footnotes at end of table.

TABLE OF WELL DATA (CONT.)

Well No.	Owner <u>a/</u>	Location	Depth (ft.) <u>b/</u>	Diameter (in.)	Pump Capacity (g.p.m.) <u>c/</u>	Yield (g.p.m.) <u>d/</u>	Water Level (ft.) <u>e/</u>	Chloride (p.p.m.) <u>f/</u>	Temperature (°F.)
*K 728	City of New York, Board Wat. Supply	Duffield & Tillary Sts.	132						
*K 729	Do.	Carlton & Park Aves.	175						
*K 730	Do.	Gold St. & Myrtle Ave.	134						
*K 731	Do.	Bergen & Bond Sts.	210						

* For additional data see well logs and descriptive notes.

a/ Owner's well number in parentheses.

b/ Depth to bottom of screen or test hole below street level.

c/ Type of pump: A, air lift; C, centrifugal; P, plunger; S, suction; T, turbine.

d/ g.p.m., gallons a minute.

e/ Maximum reported yield.

f/ Above (+) or below (-) sea level.

T/ p.p.m., parts per million.

WELL LOGS AND DESCRIPTIVE NOTES
(Numbers correspond to those used in the preceding table)

K 1. (2A, 0.4 S., 3.7 W.). Well 3. Drilled by Layne-New York Co. Altitude of street about 5 feet above sea level, Log begins at street level. Driller's log.

	Thickness (feet)	Depth (feet)
Cinder ash	15	15
Sand, fine, white.	60	75
Sand, brown.	80	155
Clay and boulders.	8	163
Sand, fine	5	168
Sand, coarse, water-bearing.	25	193
Boulders	10	203
Gravel and boulders.	31	234
Gravel, white, water-bearing	40	274
Rock, hard	2	276
Clay	6	282
Gravel, white.	10	292
Rock	3	295
Gravel, white, water-bearing	60	355
Sand, white, and gravel, coarse.	43	398
Clay, blue	30	428
Clay, red.	48	476
Gravel, white.	27	503
Clay	12	515
Sand and gravel.	10	525
Clay, red.	55	580
Bedrock encountered at 678 feet. Total depth 750 feet.		

A sample of material from a depth of 476 to 503 feet in the office of Layne-New York Co., consists of coarse quartz sand and small gravel, stained and partly cemented by iron oxide. A few grains of lignite were seen. - F. G. Wells.

Analysis of water sample collected May 3, 1933. Analyst, W. L. Lamar, U. S. Geological Survey.

(Parts per million)

Total dissolved solids	117	Carbonate (CO_3)	0
Silica (SiO_2)	56	Bicarbonate (HCO_3)	29
Iron (Fe)	7.50	Sulphate (SO_4)	12
Calcium (Ca)	5.8	Chloride (Cl)	5.0
Magnesium (Mg)	1.9	Nitrate (NO_3)	0.07
Sodium (Na)	7.9	Total hardness	22
Potassium (K)	2.2	Ignition loss	4.6
		Temperature	62°F.

Well 1 yielded salt water at a depth of 264 feet. Well 2 yielded a small supply of fresh water at depth of 520 feet.

K 2. Chloride, 6,000 parts per million in 1927; 8,800 parts per million in 1932; 7,140 parts per million on August 10, 1933.

K 3. Chloride, 20 parts per million in 1932; 22 parts per million in 1936.

K 6. Hardness, 300 parts per million.

K 7. Chloride, 3,100 parts per million in 1932.

K 8. (2 B, 5.2 N., 3.6 W.). Test well. Drilled by Foster Pump Works May 1933. Altitude of street 166 feet above sea level. Log begins 3 feet above street level. Record from samples furnished by driller, described by F. G. Wells.

	Thickness (feet)	Depth (feet)
No sample	115	115
Sand, brown, micaceous quartz	5	120
Sand, brownish, coarse to medium grained, quartz. Grains angular, some fragments of schist, much biotite and muscovite.	25	145
Sand, medium to fine grained, speckled gray, quartz. Grains angular to subrounded.	4	149
Sand, fine grained, quartz. Grains mostly very angular, probably some fragments of schist, biotite and muscovite grains abundant.	43.5	192.5
Sand, gray quartz, and biotite and muscovite Small pebbles of trap, sandstone, and schist .	5	197.5

This well near well 23 described on page 169 of U. S. Geological Survey Professional Paper 44. Chloride, 40 parts per million in 1932; 38 parts per million in 1936.

K 9. (2 C, 0.5 N., 4.0 W.). Drilled by Edward Phillips Co. Altitude of street about 10 feet above sea level. Log begins 6 feet below street level. Driller's log.

(Continued on next page)

K 9. (Continued).

	Thickness (feet)	Depth (feet)
River muck	35	35
Muck and sand	7	42
Wood (probably pile), and sand	16	58
Sand, salt water	7	65
Sand, fine and blue clay	13	78
Sand, and clay, mixed (hard pan)	3	81
Sand, fine and blue clay	14	95
Clay, blue	31	126
Clay, sand, and shells	3	129
Sand and gravel, water-bearing	20	149

Pumping test: Drawdown: 80 feet.
Yield: 750 gallons a minute.
Specific capacity: 9

Chloride, 1,770 parts per million in 1912-16; 1,590 to 2,410 parts per million in 1926; 5,250 to 7,000 parts per million in 1934.

K 10. (2 C, 0.7 N., 3.9 W.).

A sample of the material from a depth of 137 to 161 feet, preserved by Layne-New York Co., consists of sand and small gravel of heterogeneous composition.

Analysis of water sample collected May 4, 1933. Analyst, W. L. Lamar, U. S. Geological Survey.

(Parts per million)

Silica (SiO ₂)	94	Carbonate (CO ₃)	0
Iron (Fe)	0.57	Bicarbonate (HCO ₃)	437
Calcium (Ca)	402	Sulphate (SO ₄)	349
Magnesium (Mg)	218	Chloride (Cl)	3,050
Sodium (Na)	1,423	Nitrate NO ₃)	17
Potassium (K)	8.7	Total hardness	1,899
		Temperature	57°F.

Chloride, 3,118 parts per million on June 8, 1933; 3,194 parts per million on August 10, 1933; 3,211 parts per million on August 29, 1933; 3,243 parts per million on October 30, 1933.

K 12. Chloride, 200 parts per million 1932. Hardness, 1,500 parts per million in 1935.

K 14. Chloride, 7,931 parts per million in 1929; 10,525 parts per million in 1930; 10,950 parts per million on September 12, 1936. Hardness, 2,650 parts per million in 1929; 2,648 parts per million in 1930.

K 15. (2 C, 2.0 N., 3.3 W.). Drilled by Edward Phillips Co., November 1928. Altitude of street about 15 feet above sea level. Log begins at about street level. Driller's log.

	Thickness (feet)	Depth (feet)
Filling	29	29
Muck.	9	38
Peat and silt	2	40
Sand, clay, and boulders.	8	48
Sand, clay, and pebbles	5	53
Sand, water-bearing	21	74
Sand, fine.	4	78
Sand and boulders	3	81
Sand, gravel, and some clay	5	86
Sand, water-bearing	9	95
Sand, gray.	13	108
Clay, blue and white (may be decayed rock).	6	114

Hardness, 340 parts per million in 1934.

K 16. Hardness, 74 parts per million in 1932.

K 18. Chloride, 58 parts per million in 1932.

K 20. (2 C, 1.0 N., 2.9 W.). Drilled by Edward Phillips Co., June 1926. Altitude of street about 52 feet above sea level. Log begins 12 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, gravel, hardpan, and very large boulders . .	30	30
A mixture of clay, sand, and gravel.	14	44
Sand and gravel, coarse (dry).	14	58
Sand (water-bearing)	22	80
Sand, fine (water-bearing)	7	87
Sand, coarse, and some gravel.	10	97
Unknown.	37	134
Finished with streaks of clay.	2	136

(Continued on next page)

K 20. (Continued)

Chloride, 32 parts per million in 1932; 44 parts per million in 1936.

K 22. (2 C, 1.2 N., 2.8 W.). Drilled by Layne-New York Co. in 1927. Altitude of street 74 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation	11	11
Sand and boulders	75	86
Sand and gravel	53	139

Screen set from 98 feet to 137 feet.

Chloride, 50 parts per million in 1932.

K 23. (2 C, 1.0 N., 2.5 W.). Well 1. Drilled by Layne-New York Co., June 1925. Altitude of street about 73 feet above sea level. Log begins 16 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Clay, red, and boulders	35	35
Clay, sandy, and boulders	10	45
Sand, brown, and boulders	55	100
Sand, brown, and gravel	52	152

Well 2. Drilled in 1932.

Pumping tests:	Static water level:	90 feet.
	Pumping water level:	120 feet.
	Drawdown:	30 feet.
	Yield:	800 gallons a minute.
	Specific capacity:	27
	Static water level:	90 feet.
	Pumping water level:	112 feet.
	Drawdown:	22 feet.
	Yield:	650 gallons a minute.
	Specific capacity:	30

Chloride, 53 parts per million on May 4, 1933; 52 parts per million on June 8, 1933; 43 parts per million on August 10, 1933.

K 28. Chloride, 380 parts per million in 1934; 520 parts per million in 1936. Hardness, 575 parts per million in 1934.

K 29. Chloride, 18 parts per million in 1932.

K 30. This well was abandoned in 1930. Since June 14, 1935 the well has been equipped with an automatic water-stage recorder.

Lowest water level, in feet below (-) mean sea level
(from recorder charts)

Date	Water Level	Date	Water Level	Date	Water Level
<u>1935</u>		<u>1936</u>		<u>1936</u>	
June 14	-24.34	Feb. 1	-25.52	Oct. 31	-28.16
July 1	-24.68	Mar. 1	-25.17	Dec. 1	-27.87
Aug. 1	-25.36	Apr. 1	-24.86	<u>1937</u>	
Sept. 1	-25.88	May 1	-24.79	Jan. 1	-27.74
Oct. 1	-26.26	June 1	-25.51	Feb. 1	-27.29
Nov. 1	-26.01	July 1	-26.43	Mar. 1	-26.90
Dec. 1	-25.85	Aug. 1	-27.06	Apr. 1	-26.55
<u>1936</u>		Sept. 1	-27.62	May 1	-26.61
Jan. 1	-25.81	Oct. 1	-28.04	June 1	-26.83
				July 1	-27.68

More detailed water level data are available in the Jamaica Office of the U. S. Geological Survey.

K 32. Chloride, 48 parts per million in 1932.

K 33. (2 C, 2.4 N., 1.9 W). Drilled by Layne-New York Co., 1926-33. Altitude of street 14 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Soil and sand	30	30
Sand and clay	25	55
Boulders	14	69
Brown sand.	27	96

(Continued on next page)

K 33. (Continued)

	Thickness (feet)	Depth (feet)
Clay, blue	20	116
Clay and shell	14	130
Silt and sand.	15	145
Sand, brown.	15	160
Clay, blue	5	165
Sand, gray and gravel.	11	176

Screen set between 75 and 94 feet, and 152 and 175 feet.

K 36. (2 C, 2.3 N., 1.1 W.). Well 5. Drilled by Layne-New York Co. in 1928. Altitude of street 28 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, clay, and boulders	28	28
Sand, coarse, dry.	26	54
Sand, coarse, gray.	41	95
Sand, coarse, yellow	5	100
Sand, yellow and gravel.	5	105
Clay, blue	3	108

Screen set between 73 and 103 feet.

K 37. (2 C, 2.9 N., 1.0 W.). Drilled by Sweeney & Gray. Altitude of street 25 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay, yellow and stones	49	49
Sand, gray	6	55
Sand, fine and mica	8	63
Clay, yellow, quartzite, slate, conglomerate pebbles	38	101
Sand, gray and gravel, water-bearing.	16	117
Clay, blue.	13	130

Chloride, 3,100 parts per million on October 4, 1932; 3,100 parts per million in 1934; 2,100 parts per million in 1936.

K 41. Chloride, 41 parts per million in 1936.

K 43. (2 C, 0.1 N., 0.1 W.). Drilled by Artesian Well & Equipment Co., in 1929. Altitude of street 55 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Filled ground	15	15
Sand, coarse.	5	20
Sand and gravel	5	25
Sand.	5	30
Sand, miscellaneous, sandy clay, some gravel.	115	145
Water-bearing formation	20	165

Screen set between 145 and 165 feet.

K 46. Chloride, 24 parts per million in 1934. Hardness, 210 parts per million in 1934.

K 48. Hardness, 630 parts per million in 1934.

K 49. (2 C, 3.7 N., 2.1 W.). Drilled by Rust Well Machinery Co. Altitude of street about 18 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, loam and boulders	50	50
Clay, blue.	20	70
Gravel and boulders	30	100
Clay, blue.	25	125
Quicksand	7	132
Granite, light gray and black	201	333

Chloride, 1,500 parts per million in 1934; 1,800 parts per million in 1936.

K 50. (2 C, 3.7 N., 2.2 W.). Drilled by Artesian Well & Equipment Co., in 1929. Altitude of street about 28 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Unknown	38	38
Clay.	45	83
Sand, fine.	8	91
Clay.	66	157
Rock.		

K 52. Chloride, 500 parts per million in 1936.

K 53. Owner reports a layer of heavy blue clay just above water-bearing formation. Well is reported to flow when not pumping.

K 54. Hardness, 360 parts per million in 1934.

K 55. Chloride, 61 parts per million in 1936.

K 56. There is one diffusion well on this property.

K 59. Hardness, 460 parts per million. When a near-by subway was constructed it is reported that the water level in an old 40-foot well dropped below the suction lift.

K 62. When a subway about two blocks away was constructed, it is reported that the water level in an old 68-foot well was lowered.

K 64. (2 C, 2.3 N., 1.7 W.). Altitude of street about 10 feet above sea level. Logs begin at about street level. Records furnished by New York City, Department of Water Supply, Gas, and Electricity.

(Continued on next page)

K 64. (Continued)

Well 1. Drilled 1916.
 Depth: 178 feet.
 Yield: 330 gallons a minute.

Well 3. Drilled 1917.
 Depth: 165 feet.
 Yield: 375 gallons a minute.

Well 4. Drilled 1897.
 Depth: 160 feet.
 Yield: 370 gallons a minute

Well 2. Drilled 1929.

	Thickness (feet)	Depth (feet)
Filling	7	7
Clay, white	25	32
Hardpan	7	39
Sand, water-bearing	20	59
Boulders	4	63
Hardpan	12	75
Sand, fine	5	80
Sand, coarse	5	85
Sand, fine	10	95
Clay, blue	5	100
Sand, clay, and shells	9	109
Sand, gray	11	120
Sand, coarse	15	135
Sand, coarse, yellow	33	168

Capacity: 350 gallons a minute.

Well 5. Drilled 1926.

Filling	5	5
Clay, yellow, sandy, and boulders	7	12
Clay, blue	23	35

(Continued on next page)

K 64. (Continued)

Well 5. (Continued)

	Thickness (feet)	Depth (feet)
Hardpan	9	44
Sand, brown	24	68
Clay, blue	12	80
Sand, muddy, and gravel	10	90
Clay, blue	10	100
Sand, fine, muddy, gray	35	135
Sand, yellow	3	138
Sand, red, water-bearing	6	144
Sand and gravel, water-bearing	21	165

Capacity: 300 gallons a minute.

Well 6. Drilled 1920.

Sand and loam	20	20
Clay, white	21	41
Hardpan	21	62
Sand and gravel	15	77
Sand and clay	43	120
Clay, blue	20	140
Sand, water-bearing	14	154
Sand and gravel	11	165
Sand and gravel	9	174

Capacity: 375 gallons a minute.

Well 7. Drilled 1931.

Filling	12	12
Sand and clay	3	15
Clay	20	35
Hardpan	13	48
Sand and gravel	4	52
Sand and clay	13	65
Sand and stones	5	70
Sand and gravel, water-bearing	8	78
Sand and clay, fine	12	90
Muck	16	106
Sand	8	114
Sand, brown	6	120
Sand, fine	12	132
Sand, yellow	18	150
Sand and gravel	13	163

Capacity: 380 gallons a minute.

K 68. Hardness, 3,725 parts per million in 1934.

K 75. Chloride, 1,110 parts per million in 1934; 5,500 parts per million in 1936.

K 76. Chloride, 60 parts per million in 1934. Hardness, 380 parts per million in 1934.

K 80. Chloride, 60 parts per million in 1936.

K 83. Two unsuccessful test wells were drilled on this property to depths of 250 and 340 feet.

K 86. Chloride, 30 parts per million in 1936.

K 89. Chloride, 10 parts per million in 1934; 33 parts per million in 1936.

K 94. Chloride, 104 parts per million in 1934.

K 95. Chloride, 78 parts per million in 1934; 73 parts per million in 1936. Hardness, 310 parts per million in 1934.

K 96. (2 C, 1.3 N., 1.9W.) Drilled by Miller in 1931. Altitude of street 57 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, fine	9	9
Sand, light	3	12
Sand and gravel, coarse	8	20
Gravel	5	25

(Continued on next page)

K 96. (Continued).

	Thickness (feet)	Depth (feet)
Sand and gravel	5	30
Sand, coarse	5	35
Sand	10	45
Sand and gravel	29	74

K 101. Chloride, 54 parts per million on September 12, 1936.

K 105. Well 1 ends in bedrock. Chloride, 61 parts per million in 1928. Hardness, 12.5 parts per million in 1928.

Well 2. Chloride, 71 parts per million in 1928. Hardness, 21 parts per million in 1928.

Well 3. Hardness, 21 parts per million in 1928.

K 106. Chloride, 34 parts per million in 1934.

K 110. (2C, 2.2N., 4.0 W.). Well 1. Drilled by Miller in 1929. Altitude of street 72 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation to basement floor	30	30
Sand, gravel, and rock	50	80
Sand, very fine - water-bearing	30	110
Sand, coarse, some gravel, water-bearing	26	136
No record.	24	160
Bedrock		

Well 1, Chloride, 10,500 parts per million in 1936.

K 113. Hardness, 4,100 parts per million.

K 117. Wells 3 and 4, chloride, 305 parts per million in 1933. There are two diffusion wells on this property, 36 to 10 inches in diameter, about 100 feet deep, with about 25 feet of screen.

K 118. (2 C, 1.4 N., 3.5W.). Drilled by P. J. Healey. Altitude of street 37 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Loam and fill	5	5
Sand, clay, and fill	6	11
Sand, brick fill	4	15
Sand, medium, very little clay	10	25
Sand, medium	15	40
Sand, medium fine, little clay	5	45
Sand, fine, very little clay	5	50
Sand, fine	50	100

Screen set between 80-100 feet.

Chloride, 410 parts per million in July 1936; 300 parts per million in September 1936.

K 124. Chloride, 62 parts per million in 1934; 64 parts per million in July 1936; 65 parts per million in September 1936.

K 129. When nearby subway was constructed in 1931 water level is reported to have dropped.

K 131. (2 C, 0.9N., 1.5 W.). Well 2. Drilled by C. W. Lauman & Co. in 1936. Altitude of street 54 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation	12	12
Loam and boulders	19	31

(Continued on next page)

K 131. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, gravel and boulders	5	36
Sand, medium coarse, brown	41	77
Sand, fine, lumpy	2	79
Sand, coarse, brown	36	115
Sand, medium fine, brown	30	145
Sand, coarse	2	147
Sand, fine, green	5	152
No record	160	312

Screen set from 115 to 147 feet.

There is one 8-inch diffusion well on this property.

K 132. Chloride, 56 parts per million in 1934; 54 parts per million in 1936.

K 136. Composite sample from wells 1 and 2: Chloride, 32 parts per million in 1934; 33 parts per million in 1936. Well 3 is used as a diffusion well.

K 137. Chloride, 34 parts per million in 1934; 42 parts per million in 1936. Two old service wells are used as diffusion wells.

K 138. Chloride, 14 parts per million in 1934; 13 parts per million in 1936.

K 141. Chloride, 28 parts per million in 1934; 30 parts per million in 1936.

K 142. Chloride, 63 parts per million in July 1936; 69 parts per million in September 1936.

K 143. Hardness, 220 parts per million in 1934.

K 146. Chloride, 136 parts per million in 1934. 90 parts per million in 1936.

K 155. (2 B, 5.4 N., 3.3 W.). Altitude of street about 150 feet above sea level. Log begins at street level. Record furnished by City of New York, Department of Water Supply, Gas, and Electricity.

	Thickness (feet)	Depth (feet)
Fill	5	5
Boulders and clay	40	45
Boulders and gravel	15	60
Sand and gravel	100	160
Sand, fine	12	172
Sand and coarse gravel	25	197
Sand and gravel	5	202

Screen: 15.8 feet of No. 25 slot Johnson Everdur.
 Static water level: 157 feet.
 Pumping water level: 177 feet at 300 gallons a minute.

K 159. Chloride, 10,910 parts per million in 1936.

K 160. Composite sample from K 160 and K 161: Chloride, 5,557 parts per million on September 23, 1933.

K 161. There are three wells in this group. They are connected to the four wells listed in K 160 by a 16-inch suction line.

K 164. There are seven wells in this group all connected by a 16-inch suction line. Chloride, 5,266 parts per million on September 23, 1933.

K 165. (1 B, 4.9 N., 0.7 W.). Drilled by C. W. Lauman & Co. Altitude of street 15 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

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K 165. (Continued).

	Thickness (feet)	Depth (feet)
Excavation	5	5
Pit.	4	9
Sand and loam	25	34
Sand, brown and clay	5	39
Clay, brown	6	45
Boulders and brown clay	14	59
Sand, coarse, and gravel	34	93

Screen set from 70 to 88 feet.

K 170. There are two wells in this group.

K 171. Chloride, 103 parts per million in 1936.

K 174. (2 B, 1.8 N., 2.8 W.). Altitude of street about 25 feet above sea level. Log begins 10 feet below street level. Record furnished by City of New York, Department of Water Supply, Gas, and Electricity.

	Thickness (feet)	Depth (feet)
Sand, fine, black, dirty	80	80
Sand, fine, clean.	15	95
Sand, coarse, clean	5	100

Screen: 15.5 feet of No. 25 slot Johnson Everdur.

Static water level: 20 feet.

Pumping water level: 35 feet at 150 gallons a minute.

Chloride, 22 parts per million in 1934.

K 178. Chloride, 13,400 parts per million in 1936.

K 182. (2 C, 2.7 N., 1.0 W.). Well 1. Altitude of street about 20 feet above sea level. Log begins at street level. Driller's log.

(Continued on next page)

K 182. (Continued).

	Thickness (feet)	Depth (feet)
No record	54	54
Sand, water bearing	10	64
Clay and sand	4	68
Gravel and coarse sand	19	87
Sand, coarse	7	94

K 183. Chloride, 10,950 parts per million in 1934; 11,000 parts per million in 1936. Hardness, 4,350 parts per million in 1934.

K 184. Chloride, 128 parts per million on June 12, 1932.

K 188. Chloride, 5,250 parts per million in 1934; 4,650 parts per million in 1936. (Not certain whether these analyses were made on samples from Well 1 or Well 2.)

K 191. (3 B, 5.6 N., 3.7 W.) Drilled by Carter in 1933. Altitude of street 36 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation	8	8
Pit.	12	20
Sand, fine	34	54
Gravel, hard	4	58
Sand and fine gravel	10	68

K 199. Chloride, 18 parts per million in 1934; 18 parts per million in 1936.

K 201. (2B, 2.4 N., 0.7 W.) Altitude of street about 17 feet above sea level. Log begins 8 feet below street level. Record furnished by City of New York, Department of Water Supply, Gas, and Electricity.

(Continued on next page)

K 201. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, brown	29	29
Sand, brown	21	50
Sand, coarse, brown	25	75

Screen: 15.5 feet of No. 20 slot Johnson Everdur.

Static water level: 12.5 feet.

Pumping water level: 28 feet at 22 gallons a minute.

K 204. Chloride, 7,350 parts per million in 1934.

K 205. There are 18 wells in this group. Chloride, 7,350 parts per million in 1934. Hardness, 2,775 parts per million in 1934.

K 207, K 208, K 209. Water reported to be very salty. Used for salt water baths.

K 210. (2 A, 0.3 S., 2.2 W.). Well 1. Drilled by C. W. Lauman & Co., June 1935. Altitude of street about 10 feet above sea level. Log begins at street level. Driller's log.

	Thickness (feet)	Depth (feet)
Pit	4	4
Fill	4	8
Sand, fine, gray with 20 percent gray clay . . .	22	30
Sand, fine, gray, and mica	8	38
Sand, medium coarse, brown	16	54
Sand, medium coarse, light brown	30	84
Sand, very fine, light brown	28	112
Sand, coarse, gray, and small gravel	11	123
Sand, coarse, gray, dirty	5	128
Sand, coarse, gray, and small gravel - cleaner than above.	22.4	150.4

Screen: 21.7 feet of 10-inch Johnson Everdur set
from 124.7 feet to 146.4 feet.

Static water level: 3.4 feet.

Capacity: 500 gallons a minute.

Drawdown: 20.8 feet.

(Continued on next page)

K 210. (Continued).

There are two diffusion wells on this property, 8 inches in diameter, 60 feet deep. Well 2 is also used as a diffusion well.

K 211 to K 228. Water reported to be very salty, used for salt water baths.

K 229. Chloride, 3,500 parts per million in 1934; 3,050 parts per million in 1936. Hardness, 1,675 parts per million in 1934.

K 232. There are three wells in this group.

K 233. There are four wells in this group. Salty water reported.

K 237. This well was a test hole. Supply well never constructed.

K 244. (1 B, 3.5 N., 0.5 W.). Drilled by C. W. Lauman & Co., May 1934. Altitude of street about 67 feet above sea level. Log begins about 3 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Boulders	51	51
Clay and boulders	32	83
Sand	5.5	88.5
Sand, coarse	15.5	104
Sand	14	118
Sand, coarse, brown	13	131

Screen: 15 feet of 8-inch No. 25 slot Johnson Everdur set from 112 to 127 feet.

Static water level: 79 feet.

Yield: 295 gallons a minute with 16-foot drawdown.

Hardness, 393 parts per million.

K 245. (1 B, 4.1 N., 0.0 W.). Drilled by C. W. Lauman & Co., May 1934. Altitude of street about 130 feet above sea level. Log begins about 3 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Fill	3	3
Clay, sandy, mixed with small stones and boulders.	35	38
Clay with large boulders	7	45
Clay, sandy with small flat stones	42	87
Sand and gravel	9	96
Clay and small stones, and small boulders	24	120
Sand and gravel	54	174

Static water level: 138 feet.

Yield: 270 gallons a minute with 24 foot drawdown.

K 246. There is one diffusion well on this property, 30 to 18 inches in diameter, 45 feet deep.

K 247. Salt water reported. Hardness, 274 parts per million. Specific capacity, 15 gallons a minute per foot of drawdown. There is one diffusion well on this property.

K 248. Chloride, 2,150 parts per million in 1936.

K 249. (2 C, 1.8 N., 1.4 W.). Drilled by C. W. Lauman & Co., April to June 1935. Altitude of street about 40 feet above sea level. Log begins about 4 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Concrete . . . . .	.3	.3
Loam, coarse sand and boulders	6.7	7
Sand, coarse, brown	67	74
Sand and gravel, coarse, brown	17	91
Sand, coarse, brown	10.3	101.3

Static water level: 57.5 feet.

Screen: 15 feet of 10-inch Johnson Everdur No. 25 slot.

Yield: 255 gallons a minute with 11-foot drawdown.

315 gallons a minute with 14-foot drawdown.

Hardness, 291 parts per million in 1934.

K 251. (1 B, 4.5 N., 0.4 W.). Drilled by C. W. Lauman & Co., March 24 to May 17, 1934. Altitude of street about 110 feet above sea level. Log begins about 12 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Concrete . . . . .	.3	.3
Loam and boulders	19.7	20
Clay, brown, sandy and large stones	40	60
Sand, coarse, fine gravel, and brown clay	9	69
Gravel, boulders, some clay	4	73
Sand, fine, brown	8	81
Clay, brown, sandy	38	119
Sand, coarse, brown, boulders and fine gravel.	5	124
Sand, coarse, gravel, large stones	11	135
Sand, fine, brown, clay, and large stones	5	140
Sand, medium coarse	25.3	165.3

Screen: 20 feet of 10-inch No. 25 slot, Johnson.
Bottom of screen at 161.8 feet. Seal
at 140.3 feet.

Static water level: 104 feet.

Yield: 320 gallons a minute with 32-foot drawdown.
350 gallons a minute with 34-foot drawdown.

Hardness, 154 parts per million in 1934.

K 252. (2 C, 0.2 N., 3.5 W.). Drilled by Artesian Well & Equipment Co. in April 1936. Altitude of street about 63 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, medium, and boulders	30	30
Boulders, small stones, muddy sand and clay	9	39
Boulders, hard clay, streaks of hardpan	49	88
Sand, some gravel, muddy sand and boulders	6	94
Boulders and sand	13	107
Sand, some gravel, boulders	3	110
Sand and gravel, coarse, - water-bearing	21	131

There is one diffusion well on this property, 36 to 8 inches in diameter, 121 feet deep. Diffusion well is located about 90 feet from service well.

K 254. (2 C, 1.5 N., 0.3W.). Drilled by Artesian Well & Equipment Co. in 1935. Altitude of street about 53 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, fine and boulders - some gravel	36	36
Sand, medium, and some gravel	21	57
Sand and gravel, coarse - water-bearing	30	87
Sand.	13	100

There is one diffusion well on this property, 36 inches in diameter, 52 feet deep.

K 256. Hardness, 325 parts per million in 1934. Specific capacity, 28 gallons a minute per foot of drawdown.

K 257. There is one 75-foot diffusion well on this property.

K 258. Chloride, 1,650 parts per million in July 1936; 1,550 parts per million in September 1936. (It is not known whether these determinations were made on samples of water from well 1, 2, or 3.) The figures given for chloride and temperature in the table of well data pertain to a sample of water obtained from well 3.

K 259. (2 C, 1.6 N., 3.4 W.). Drilled by Harper in 1934. Altitude of street 40 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation	12	12
Boulders scattered through sand and gravel	30	42
Sand, fine	11	53
Sand, medium - water encountered at depth 57 feet.	8	61
Sand and gravel, medium coarse	12	73
Sand, coarse, and gravel	15	88
Sand, coarse	15	103
Sand, fine	10	113
Sand, fine, and clay		

There is one diffusion well on this property, 6 inches in diameter, and 70 feet deep. This well is inadequate and an additional well is contemplated.

K 260. There is one operating diffusion well on this property, 36 inches in diameter, 66 feet deep. This diffusion well is about 400 feet from the service well. Previously a similar diffusion well, about 30 feet from the service well, had been used but was abandoned because the temperature of the water from the supply well rose to about 80°F.

K 261. Chloride, 1,300 parts per million in July 1936.

K 263. Hardness, 636 parts per million in 1934.

K 266. Chloride, 1,910 parts per million in 1931; 5,520 parts per million in 1934; 4,700 parts per million in 1936. (It is not known whether these determinations were made on samples of water from well 1 or 2.) There is an old well on this property which has been used as a diffusion well since about 1928.

K 269. Hardness, 257 parts per million in 1934. Specific capacity, 19.5 gallons a minute per foot of drawdown.

(2 C, 1.5 N., 1.2 W.). 10-inch gravel-pack diffusion well. Drilled by C. W. Lauman & Co., in 1934. Altitude of street about 60 feet above sea level. Log begins about 7 feet below street level.

	Thickness (feet)	Depth (feet)
Fill and loam	6	6
Sand and large gravel	2	8
Sand and small boulders	2	10
Sand, coarse, brown, and gravel	10	20
Sand, coarse, brown	15	35
Clay	1.5	36.5
Sand, coarse, brown	2.5	39

Screen: Slotted pipe, 10 inches in diameter, with 1/4 inch openings set from 16.5 feet to 39 feet.

K 271. There is one diffusion well on this property, 30 inches in diameter, 80 feet deep.

K 272. (2 C, 1.5 N., 3.3 W.). Drilled by Artesian Well & Equipment Co., in 1936. Altitude of street about 34 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay and boulders	23	23
Sand, clay and boulders	24	47
Sand, fine and medium	42	89

Chloride, 66 parts per million in 1936. There is one diffusion well on this property, 30 to 8 inches in diameter, 70 feet deep.

K 275. Salt water reported.

K 276. There is one diffusion well on this property, 36 inches in diameter, 89 feet deep. Temperature of water from service well reported to be 63°F. Temperature of water entering diffusion well reported to be between 76 and 95°F.

K 277. (2 C, 1.5 N., 3.3 W.). Drilled by Harper in 1934. Altitude of street about 37 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation	15	15
Boulders, sand, and gravel	35	50
Sand, fine	3	53
Sand, medium - water encountered at depth 60 feet.	10	63
Gravel and boulders	7	70
Sand, medium coarse - water-bearing, containing some gravel	9	79
Sand, coarse, and gravel	14	93
Sand, coarse	12	105
Sand, fine	18	123
Sand, very fine, blue in color	11	134
Sand with blue clay	6	140
Clay, blue	6	146
Schist		

There is one diffusion well on this property, 36 to 8 inches in diameter, 65 feet deep.

K 279. Reported water level below floor: 33 feet in 1933; 39 feet in 1934; 49 feet in 1936.

K 285. (2 B, 3.5 N., 4.1 W.). Drilled by C. W. Lauman & Co., June 1935. Altitude of street about 63 feet above sea level. Lot begins at street level. Driller's log.

	Thickness (feet)	Depth (feet)
Basement	10	10
Sand, brown, and gravel.	45	55
Data missing	72.4	127.4

Screen: 26.4 feet of Johnson Everdur set at bottom.
 Drawdown: 23 feet.

There is one diffusion well on this property, 36 inches in diameter, 60 feet deep.

K 290. Specific capacity, 46 gallons a minute per foot of drawdown. There is one diffusion well on this property, 36 inches in diameter, 55 feet deep.

K 295. Specific capacity, 16 gallons a minute per foot of drawdown. 21 feet of Cook screen set at bottom. There is one diffusion well on this property, 10 inches in diameter, and about 60 feet deep.

K 296. There is one diffusion well on this property, 36 inches in diameter, 60 feet deep.

K 298. (2 B, 4.6 N., 2.2 W.). Drilled by C. W. Lauman & Co., spring of 1936. Altitude of street about 50 feet above sea level. Log begins at street level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	58	58
Sand, fine with some gravel.	9	67
Sand, sharp.	7	74
Sand, fine	14.2	88.2

(Continued on next page)

K 298. (Continued).

Static water level: 64.5 feet.
 Screen: 9 feet of Johnson Everdur with bottom at
 88.2 feet.

There is one diffusion well on this property, 30 to 12 inches in diameter, about 80 feet deep.

K 299. There are three diffusion wells on this property; No. 1 is 12 inches in diameter, 142 feet deep; No. 2 is 36 inches in diameter, 92 feet deep; No. 3 is 36 inches in diameter, 87 feet deep.

K 300. (2 B, 4.0 N., 1.0 W.). Drilled by C. W. Lauman & Co., August 1935. Altitude of street about 30 feet above sea level. Log begins about 7 feet below street. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, very coarse.	50	50
Sand, fine, clean.	14.3	64.3
Screen:	12 feet of No. 25 slot 6-inch Johnson Everdur with bottom at 63.6 feet.	
Specific capacity:	13.3 gallons a minute per foot of drawdown.	

K 301. There is one diffusion well on this property, 36 to 12 inches in diameter, 97 feet deep.

K 303. (2 B, 3.7 N., 0.5 W.). Drilled by Layne-New York Co. in 1935. Altitude of street about 14 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Topsoil.	1	1
Sand and gravel.	3	4
Clay, sandy.	4	8
Sand, coarse, yellow	12	20
No record.	8	28
Sand, coarse, brown.	30	58

(Continued on next page)

K 303. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine brown	46	104
Clay, sandy.	2	106
Sand, coarse, brown.	12	118

Screen set between 64 and 104 feet.

There is one diffusion well on this property, 36 to 24 inches in diameter, 118 feet deep.

K 304. There is one diffusion well on this property, 36 to 14 inches in diameter, 92 feet deep.

K 308. (1 B, 3.1 N., 0.6 W.). Drilled by C. W. Lauman & Co., spring of 1936. Altitude of street about 76 feet above sea level. Log begins 6 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Clay, fine sand, and boulders.	76	76
Sand, clean, coarse, and fine gravel	29	105
Sand, very coarse.	26	131
Sand	9.5	140.5

Screen: 26.3 feet of Johnson Everdur set at bottom.

Capacity: 550 gallons a minute with 20-foot drawdown.

There is one diffusion well on this property 12 to 6 inches in diameter, 122 feet deep. Well is gravel packed.

K 309. There is one diffusion well on this property, 36 to 8 inches in diameter, 77 feet deep.

K 311. There is one diffusion well on this property, 30 inches in diameter, 50 feet deep.

K 316. (1 B, 3.1 N., 1.1 W.). Drilled by C. W. Lauman & Co., in 1936. Altitude of street 65 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay and boulders	70	70
Clay, coarse sand, and large stones	54	124

Screen set between 115 to 120 feet.

There is one diffusion well on this property, 36 inches in diameter, about 35 feet deep.

K 318. (2 A, 0.6 S., 3.5 W.). Drilled by C. W. Lauman & Co., In 1936. Altitude of street 7 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Pit	8	8
Sand, muddy	6	14
Sand, muddy, fine, gray	6	20
Sand, medium, brown	19	39
Sand, medium coarse, brown.	62	101
Sand, coarse, brown	34	135

Screen set between 115 and 135 feet.

There is one diffusion well on this property, 36 to 12 inches in diameter, 106 feet deep.

K 319. (1 B, 2.6 N., 1.3 W.). Drilled by Artesian Well & Equipment Co., in 1936. Altitude of street 80 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay, hard, and boulders.	119	119
Sand, fine, and clay.	3	122
Sand, fine.	9	131
Sand, very fine, and clay	4	135
Sand, medium.	27	162

There is one diffusion well on this property, 36 to 10 inches in diameter, 116 feet deep.

K 320. (2 C, 1.5 N., 3.4 W.). Drilled by J. L. Harper in 1936.
Altitude of street 38 feet above sea level. Log begins at street level.
Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Excavation	14	14
Boulders, sand, and gravel	29	43
Sand, fine - water encountered at depth 44 feet. .	15	58
Sand, medium	20	78
Sand, coarse, with much gravel	6	84
Sand, coarse, and gravel	4	88
Gravel and quicksand; quicksand heaved 5 feet into pipe.	5	93
Sand, coarse	4	97
Sand, coarse, some gravel.	2	99
Sand, medium, and gravel	2	101
Quicksand, fine; quicksand heaved 12 feet into pipe. Streak of blue clay encountered at depth 103 feet.	3	104
Clay, blue, very sticky.	2	106
Clay, blue, some sand. Oyster shells encountered at depth 109 feet	4	110
Clay, blue, containing particles of shells	3	113
Micaschist	1	114

There is one diffusion well on this property, 36 inches in diameter,
63 feet deep.

K 323. (2B, 5.6 N., 1.9 W.). Drilled by C. W. Lauman & Co., in
1936. Altitude of street about 85 feet above sea level. Log begins
at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Cellar	8	8
Fill	17	25
Clay, brown, and boulders.	9	34
Gravel and boulders.	26	60
Sand, coarse and gravel.	20	80
Sand, fine, dirty.	6	86
Sand, coarse	14	100
Sand, fine and gravel.	22	122
Sand, coarse and gravel.	17	139

Screen set between 121 and 131 feet.

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K 323. (Continued).

Specific capacity, 10 gallons a minute per foot of drawdown. There is one diffusion well on this property, 30 inches in diameter, about 60 feet deep.

K 325. There is one diffusion well on this property, 16 inches in diameter, about 60 feet deep.

K 326. Specific capacity, 32 gallons a minute per foot of drawdown. There is one diffusion well on this property, about 36 inches in diameter, about 50 feet deep.

K 327. There is one diffusion well on this property, about 36 inches in diameter, about 50 feet deep.

K 328. (2 B, 1.4 N., 4.2 W.). Drilled by C. W. Lauman & Co., in 1936. Altitude of street 30 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Cellar	8	8
Sand, coarse, clean.	101	109
Sand, fine, brown.	3	112

Specific capacity, 20 gallons a minute per foot of drawdown. There is one diffusion well on this property, about 36 inches in diameter, about 50 feet deep.

K 329. There is one diffusion well on this property, about 36 inches in diameter, about 90 feet deep.

K 331. (2 C, 2.8 N., 2.1 W.). Drilled by C. W. Lauman & Co., in 1936. Altitude of street 40 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

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K 331. (Continued).

	Thickness (feet)	Depth (feet)
Cellar	10	10
Clay and boulders.	24	34
Sand, medium coarse.	35	69
Sand, coarse and gravel.	11	80
Sand, fine, mica	3	83
Sand, medium coarse.	5	88
Sand, medium fine.	22	110

Screen set between 94 and 110 feet.

Specific capacity, 23 gallons a minute per foot of drawdown. There is one diffusion well on this property, about 36 inches in diameter and about 50 feet deep.

K 335. (2 C, 0.1 N., 0.0 W.). Drilled by C. W. Lauman & Co., in 1936. Altitude of street 45 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Pit.	4	4
Loam and fill.	4	8
Sand, gravel, and boulders	15	23
Gravel, coarse	2	25
Sand, coarse, clean.	3	28
Sand, medium coarse.	30	58
Sand, fine	46	104

Screen set between 89 and 104 feet.

Specific capacity, 23 gallons a minute per foot of drawdown. There is one diffusion well on this property, 30 inches in diameter, 60 feet deep.

K 340. (2C., 1.9 N., 3.8 W.) Drilled by C. W. Lauman & Co., in 1936. Altitude of street about 66 feet above sea level. Log begins 10 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Concrete . . . . .	.5	.5
Sand and boulders.	4.5	5
Sand and small stones.	10	15
Sand and stones.	5	20

(Continued on next page)

K 340. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine and large stones.	3.5	23.5
Sand and large stones.	5.5	29
Sand, coarse, and pebbles.	2	31
Sand, coarse, and boulders	5.5	36.5
Sand and large boulders.	4.5	41
Boulders, large, with very little sand	2.5	43.5
Rocks, small, and stones, with some sand	3.5	47
Stones, large.	2	49
Stones, small, and sand.	1.5	50.5
Stones and sand.	6	56.5
Sand and large stones.	51.2	107.7
Sand, coarse	20.5	128.2

Screen: 10-inch diameter, 19.2 feet long No. 30 slot Johnson Everdur

Diffusion well. Drilled by C. W. Lauman & Co., in 1936. Diameter, 12 inches. Driller's log.

	Thickness (feet)	Depth (feet)
Boulders, large, and fine sand	4.5	4.5
Boulders, large, stone, and coarse sand.	6.5	11
Stones, large, and sand.	5	16
Sand	2.5	18.5
Sand, coarse	2	20.5
Sand, coarse, and stones	4.5	25
Sand	3	28
Sand, gravel, and stones	2	30
Sand, coarse, very few stones.	8.5	38.5
Boulders at 38.5 feet.		

Screen: 20.8 feet, 12 inches in diameter. 1/4 inch slots set from 17.7 to 38.5 feet.

K 341. There is one diffusion well on this property, 10 inches in diameter.

K 342. Water reported to be very salty. Used for salt water baths.

K 344. Salt water reported.

K 345. (2C, 0.8 N., 4.0 W.). Drilled by Sweeney & Gray in 1936.
Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, stones, and boulders	28	28
Sand, fine	97	125
Hardpan and stones	5	130
Sand and stones	5	135
Sand and heavy gravel - water-bearing	11	146

K 347. There is one diffusion well on this property, 30 to 8 inches in diameter, 75 feet deep.

K 371. Iron, 2 parts per million in 1928.

K 426. (2 C, 2.9 N., 1.3 W.). Drilled by Weber in 1910. Altitude of street, 38 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
No record.	86	86
Water formation.	16	102
Clay, blue	38	140

Screen set at 102 feet.

K 450. Brackish water reported. Driller reports well flowed when first drilled.

K 458. (2 C, 3.3 N., 2.6 W.). Drilled by Sweeney & Gray in 1911. Altitude of street 5 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand - water-bearing	80	80
Clay and sand.	40	120
Clay, red.	4	124
Granite, boulders, and clay.	36	160

(Continued on next page)

K 458. (Continued).

	Thickness (feet)	Depth (feet)
Clay seams	18	178
Rock		

K 459. (2 C, 0.9 N., 2.8 W.). Drilled by Sweeney & Gray in 1936.
Altitude of street 75 feet above sea level. Log begins at street level.
Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Dug well	8	8
Sand, gray and stones, large boulders.	48	56
Sand, brown, and boulders.	25	81
Sand, coarse, brown.	17	98
No record.	42	140

Screen set from 113 to 128 feet.

K 461. (2C, 3.8 N., 1.3 W.). Drilled by I. H. Ford in 1915.
Altitude of street 33 feet above sea level. Log begins at street level.
Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Filled ground.	5	5
Clay, blue, with boulders.	11	16
Sand and small boulders with water	16	32
Clay, blue	40	72
Clay, light gray	108	180
Sand, not water-bearing.	1	181
Clay, blue	24	205
Clay, light greenish, passing into dark greenish	10	215
Sand and clay, yellow and dark-colored	10	225
Rock - mica schist		

K 464. (3 B, 1.9 N., 4.1 W.). Drilled by Carter in 1922. Altitude
of street about 5 feet above sea level. Log begins at street level. Record
collected by J. H. Sanford.

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K 464. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine	20	20
Sand, medium coarse.	33	53
Sand, fine	33	86
Sand, fine	31	117
Sand	12	129
Sand, coarse, and gravel	35	164
Clay, blue	16	180
Sand, gravel, and blue clay.	27	207
Sand and gravel - salty water.	26	233
Gravel, coarse	17	250
Sand and clay.	18	268
Sand, coarse, greenish color	21	289
Clay, hard, black.	46	335
Clay, gray, and fine sand.	20	355
Clay, black	25	380
Clay	10	390
Clay, gray	10	400
Clay, white and blue	25	425
Clay and sand.	23	448
Sand, lively	8	456
Sand, fine	4	460
Sand and clay - no water	15	475
Sand and gravel.	19	494

K 465. Bedrock encountered at depth of 65 feet. Depth of well also reported as 400 feet.

K 469. Brackish water reported.

K 500. Construction of this group of wells was begun in 1882. Chloride, 113 parts per million in 1933; 144 parts per million in 1934.

K 501. (2B, 3.7 N., 3.3 W.). Well F 1. Drilled by Layne-New York Co., in 1920. Altitude of street 47 feet above sea level. Log begins at street level. Record furnished by owner.

(Continued on next page)

K 501. (Continued).

	Thickness (feet)	Depth (feet)
Clay	2	2
Gravel and boulders.	30	32
Sand and gravel.	45	77
Clay and sand.	5	82
Gravel and boulders.	20	102
Sand	10	112

Screen: 39.5 feet of 24-inch with bottom at 102.5 feet.

Pumping tests:

July 20, 1920. Static water level: 41 feet.
 Pumping water level: 56 feet.
 Drawdown: 15 feet.
 Yield: 1,260 gallons a minute.
 Specific capacity 84

March 7, 1928. Static water level: 47.8 feet.
 Pumping water level: 59.2 feet.
 Drawdown: 11.4 feet.
 Yield: 1,060 gallons a minute.
 Specific capacity: 93

Chloride, 20 parts per million in 1922; 29 parts per million in 1933.
 Water level, -4.9 feet in 1932.

K 502. (2 B, 3.8 N., 1.6 W.) Well F 2, Drilled by Layne New-York Co., in 1921. Altitude of street 11 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Fill	10	10
Sand, coarse, and gravel	60	70
Sand, coarse	36	106

Screen: 47.5 feet of 26-inch with bottom at 101.3 feet, and 45 feet of 16-inch with bottom at 97.5 feet.

Pumping test:

October 6, 1931. Static Water level: 20.8 feet.
 Pumping water level: 44 feet.
 Drawdown: 23.2 feet.
 Yield, 1,300 gallons a minute.
 Specific capacity: 56.

(Continued on next page)

K 502. (Continued).

Pumping test:

March 28, 1928. Static water level: 21.0 feet.
 Pumping water level: 41.8 feet.
 Drawdown: 20.8 feet.
 Yield: 1,500 gallons a minute.
 Specific capacity 72.

Chloride, 28 parts per million in November 1933. Water level, -5.7 feet in 1932.

K 503. (2B, 4.1 N., 3.3 W.). Well F 3, Drilled by Layne-New York Co., in October 1921. Altitude of street 63 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay, sandy.	3	3
Boulders and sand.	17	20
Sand, coarse, and boulders	40	60
Sand, coarse, red, and boulders.	20	80
Sand, coarse	10	90
Sand, fine	6	96
Sand, coarse	14	110

Screen: 48.3 feet of 26-inch with bottom at 105 feet.

Pumping tests:

April 1, 1922. Static water level: 57 feet.
 Pumping water level: 77 feet.
 Drawdown: 20 feet.
 Yield: 1,000 gallons a minute.
 Specific Capacity 50.

Well deepened to 137 feet and screen set from 97 to 137 feet in February 1928.

Feb. 28, 1928. Static water level: 57 feet.
 Pumping water level: 69 feet.
 Drawdown: 12 feet.
 Yield: 1,000 gallons a minute.
 Specific capacity: 83.

Chloride, 20 parts per million in 1922; 28 parts per million in 1933. Water level, -6.4 feet in 1932.

K 504. (2 B, 3.8 N., 1.1 W.). Well F 4. Drilled by Layne-New York Co., in 1922. Altitude of street 20 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	108	108

Screen: 43.5 feet of 24-inch with bottom at 108.5 feet.

Pumping test:

October. 17, 1922. Static Water level: 28 feet.
Pumping water level: 40 feet.
Drawdown: 12 feet.
Yield: 1,300 gallons a minute.
Specific capacity: 108.

Chloride, 86 parts per million in 1933. Water level, -5.2 feet in 1932.

K 505. (2 B, 3.7 N., 1.6 W.). Well F 5. Drilled by Layne-New York Co., in 1923. Altitude of street 16 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	91	91

Screen: 43.5 feet of 24-inch with bottom at 91.8 feet.

Pumping test:

June 24, 1923. Static water level: 21 feet.
Pumping water level: 56 feet.
Drawdown: 35 feet.
Yield: 1,550 gallons a minute.
Specific capacity: 44.

Chloride, 26 parts per million in November 1933.

K 506. (2 B, 4.9 N., 0.7 W.). Well F 6. Drilled by Layne-New York Co., in 1923. Altitude of street 33 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse	13	13
Sand	100	113

(Continued on next page)

K 506. (Continued).

Screen: 43.5 feet of 24-inch with bottom at 95.2 feet.

Pumping tests:

June 1, 1923. Static water level: 24 feet.
 Pumping water level: 42 feet.
 Drawdown: 18 feet.
 Yield: 1,000 gallons a minute.
 Specific capacity 55.

July 12, 1928. Static water level: 34.8 feet.
 Pumping water level: 51.0 feet.
 Drawdown: 16.2 feet.
 Yield: 1,050 gallons a minute.
 Specific capacity: 65.

Chloride, 15 parts per million in 1923; 38 parts per million in 1933.
 Water level, -11.4 feet in 1932.

K 507. (2 B, 5.2 N., 1.1 W.). Well F 7-A. Drilled by Layne-New York Co., in October 1924. Altitude of street 31 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Fill	8	8
Bricks	2	10
Boulders	7	17
Sand, coarse	78	95
Sand, fine, black.	5	100

Screen: 43.5 feet of 26-inch with bottom at 91.8 feet.

Pumping tests:

Jan. 1, 1925. Static water level: 31 feet.
 Pumping water level: 48 feet.
 Drawdown: 17 feet.
 Yield: 1,161 gallons a minute.
 Specific capacity: 68.

July 7, 1928. Static water level: 35.1 feet.
 Pumping water level: 49.5 feet.
 Drawdown: 14.4 feet.
 Yield: 1,020 gallons a minute.
 Specific capacity: 71.

Chloride, 50 parts per million in 1925; 39 parts per million in 1933.
 Water level, -10.3 feet in 1932.

K 508. (2B, 4.4 N., 2.9 W.). Well F 8. Drilled by Layne-New York Co., 1923-1924. Altitude of street 50 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay, sandy.	3	3
Sand, coarse, and boulders	7	10
Boulders and gravel.	18	28
Sand, coarse	30	58
Sand, coarse, and gravel	58	116

Screen: 43.5 feet of 24-inch with bottom at 116 feet.

Pumping tests:

Jan. 6, 1924. Static water level: 48.5 feet.
 Pumping water level: 65 feet.
 Drawdown: 16.5 feet.
 Yield: 1,250 gallons a minute.
 Specific capacity: 76.

July 7, 1928. Static water level: 54.3 feet.
 Pumping water level: 65.6 feet.
 Drawdown: 11.3 feet.
 Yield: 1,000 gallons a minute.
 Specific capacity: 88.

Chloride, 30 parts per million in 1924; 33 parts per million in 1933.
 Water level, -7.0 feet in 1932.

K 509. (2 B, 3.8 N., 1.2 W.). Well F 9. Drilled by Layne-New York Co., in 1924. Altitude of street about 20 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	97	97

Screen: 44.5 feet of 26-inch with bottom at 96.7 feet.

Pumping test:

June 30, 1924. Static water level: 22 feet.
 Pumping water level: 46 feet.
 Drawdown: 24 feet.
 Yield: 1,300 gallons a minute.
 Specific capacity: 54.

K 510. (2 B, 4.0 N., 3.5 W.). Well F 10. Drilled by Layne-New York Co., in 1924. Altitude of street 63 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Boulders and sand.	30	30
Boulders	5	35
Sand and boulders.	15	50
Sand	40	90
Sand and gravel.	30	120

Screen: 43.5 feet of 26-inch with bottom at 111.2 feet.

Pumping tests:

Aug. 14, 1924. Static water level: 60 feet.
 Pumping water level: 77 feet.
 Drawdown: 17 feet.
 Yield: 1,100 gallons a minute.
 Specific capacity: 65.

Aug. 20, 1928. Static water level: 63.3 feet.
 Pumping water level: 71.8 feet.
 Drawdown: 8.5 feet.
 Yield: 1,020 gallons a minute.
 Specific capacity: 120.

Chloride, 23 parts per million in 1925; 29 parts per million in 1933.
 Water level, -5.6 feet in 1932.

K 511. (2B, 3.7 N., 1.1 W.). Well F 11. Drilled by Layne-New York Co., in 1925. Altitude of street 12 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, yellow	93	93

Screen: 24-inch from 53.2 feet to 91.8 feet.

Pumping tests:

March 28, 1925. Static water level: 23 feet.
 Pumping water level: 40 feet.
 Drawdown: 17 feet.
 Yield: 1,050 gallons a minute.
 Specific capacity: 62.

(Continued on next page)

K 511. (Continued).

Pumping test:

March 20, 1928. Static water level: 16.0 feet.
 Pumping water level: 30.5 feet.
 Drawdown: 14.5 feet.
 Yield: 1,450 gallons a minute.
 Specific capacity: 100.

Water level, -5.0 feet in 1932.

K 512. (2 B, 4.2 N., 2.8 W.). Well F12. Drilled by Layne-New York Co., in 1925. Altitude of street 48 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Soil and sand.	5	5
Sand and boulders.	35	40
Sand	66	106

Screen: 43.2 feet of 26-inch with bottom at 101.5 feet.

Pumping tests:

May 29, 1925. Static water level: 45 feet.
 Pumping water level: 63 feet.
 Drawdown: 18 feet.
 Yield: 1,185 gallons a minute.
 Specific capacity: 66.

Aug. 7, 1928 Static water level: 50.8 feet.
 Pumping water level: 66.0 feet.
 Drawdown: 15.2 feet.
 Yield: 1,065 gallons a minute.
 Specific capacity: 70.

Chloride, 25 parts per million in 1925; 27 parts per million in 1933.
 Water level, -7.1 feet in 1932.

K 513. (2B, 3.3 N., 3.2 W.). Well F 13. Drilled by Layne-New York Co., in 1925. Altitude of street 53 feet above sea level. Log begins at street level. Record furnished by owner.

(Continued on next page)

K 513. (Continued).

	Thickness (feet)	Depth (feet)
Soil and sand.	5	5
Sand and boulders.	45	50
Sand	44	94
Clay	1	95
Sand	4	99
Sand, fine, and clay	2	101
Sand, fine	4	105

Screen: 37.1 feet of 26-inch with bottom at 92.4 feet.

Pumping tests:

July 7, 1928. Static water level: 52.8 feet.
 Pumping water level: 68.5 feet.
 Drawdown: 15.7 feet.
 Yield: 1,020 gallons a minute.
 Specific capacity: 65.

Nov. 14, 1935. Static water level: 50.0 feet.
 Pumping water level: 64.2 feet.
 Drawdown: 14.2 feet.
 Yield: 1,000 gallons a minute.
 Specific capacity: 70.

Chloride, 30 parts per million in 1926; 88 parts per million in 1933.
 Water level, -1.4 feet in 1932.

K 514. (2 B, 4.0 N., 0.6 W.). Well F 14. Drilled by Layne-New York Co., 1925-26. Altitude of street 26 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, brown.	43	43
Sand, coarse, brown.	57	100

Screen: 41.7 feet of 26-inch with bottom at 90 feet.

Pumping test:

March 16, 1926. Static water level: 26.5 feet.
 Pumping water level: 40.0 feet.
 Drawdown: 13.5 feet.
 Yield: 1,272 gallons a minute.
 Specific capacity: 94.

(Continued on next page)

K 514. (Continued).

Pumping test:

July 7, 1928.

Static water level:	28.0 feet.
Pumping water level:	44.4 feet.
Drawdown:	16.4 feet.
Yield:	940 gallons a minute
Specific capacity:	57.

Chloride, 20 parts per million in 1926; 60 parts per million in 1933.
 Water level, - 5.1 feet in 1932.

Record by F. G. Wells from glass tubes showing a reproduction to scale of boring.

	Thickness (feet)	Depth (feet)
Sand, brown, medium to coarse.	127	127
Sand, interstratified, fine, and clay, The clay has slight pinkish tinge.	33	160
Sand, coarse, brown, and gravel.	15	175
Clay, pinkish gray, and fine sand	18	193
Sand, coarse, brown and gravel. Sample is dark .	30.5	223.5
Clay, grayish pink. Driller calls it soft blue clay.	9	232.5
Material looks like preceding. Driller calls it stiff blue clay	140.5	373
Material looks like preceding, but is lumpy. Driller calls it stiff blue clay.	33.7	406.7
The Driller's description, clay and boulders. Material looks like preceding. The rock fragments could not be seen	6	412.7
Clay, pinkish. Driller calls it blue clay . . .	32.2	444.9
Gravel, gray, small. Though the pebbles look like the underlying rock, this could not be determined with certainty. Driller calls it clay, gravel, etc.	21.9	466.8
Angular fragments of gray, fine grained rock; probably diabase.	93.2	560

K 515. (2 B, 3.8 N., 1.2 W.). Well F 15. Drilled by Layne-New York Co., 1925.1926. Altitude of street about 20 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	90	90
Sand, fine	50	140

(Continued on next page)

K 515. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse	12	152
Sand and coarse gravel	14	166
Clay, blue	34	200
Sand and coarse gravel	17	217
Clay, soft, blue	81	298
Sand, gray, and layers of clay	27	325
Ledge	3	328
Sand, gravel, and boulders	15	343
Clay		

Screen: 9.7 feet of 13-inch with bottom at 216.2 feet and 38.7 feet
of 13-inch with bottom at 341.3 feet.

Pumping test:

Oct. 4, 1926: Static water level: 19.0 feet.
 Pumping water level: 58.7 feet.
 Drawdown: 39.7 feet.
 Yield: 800 gallons a minute
 Specific capacity 20

K 516. (2 B, 5.5 N., 0.4 W.). Well F 16. Drilled by Layne-New York Co. in 1926. Altitude of street 42 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, fine	30	30
Sand, coarse	41	71
Sand, dark, coarse	35	106

Screen: 43 feet of 26-inch with bottom at 101 feet.

Pumping tests:

April 30, 1926. Static water level: 38.5 feet.
 Pumping water level: 45.5 feet.
 Drawdown: 7.0 feet.
 Yield: 830 gallons a minute.
 Specific capacity: 119.

August 19, 1926. Static water level: 42.3 feet.
 Pumping water level: 50.0 feet.
 Drawdown: 7.7 feet.
 Yield: 1,000 gallons a minute.
 Specific capacity: 130.

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K 516. (Continued).

Chloride, 25 parts per million in 1926; 37 parts per million in 1933.
Water level, -12.8 feet in 1932.

K 517. (2 B, 5.5 N., 1.9 W.). Well F 17. Drilled by Layne-New York Co., 1926-1927. Altitude of street 78 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and boulders.	60	60
Sand, coarse	75	135
Clay	43	178
Sand	10	188
Clay	55	243
Sand, coarse	55	298
Clay	5	303
Screen:	43.5 feet of 12-inch with bottom at 290.5 feet.	

Pumping tests:

Jan. 29, 1927. Static water level: 81 feet.
 Pumping water level: 95 feet.
 Drawdown: 14 feet.
 Yield: 900 gallons a minute.
 Specific capacity: 64.

Aug. 13, 1928. Static water level: 72.9 feet.
 Pumping water level: 86.2 feet.
 ~~Drawdown;~~ YIELD 800 gallons a minute.
 Specific capacity: 60.

Chloride, 5 parts per million in 1927; 7 parts per million in 1933.
Water level, -16.0 feet in 1932.

K 518. (2 B, 3.7 N., 1.1 W.). Well F 18. Drilled by Layne-New York Co., in 1926. Altitude of street 13 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel.	170	170
Clay	27	197
Boulders	31	228

(Continued on next page)

K 518. (Continued).

	Thickness (feet)	Depth (feet)
Clay	72	300
Sand and gravel.	30	330
Boulders		

Screen: 8-inch slotted pipe from 300 feet to 314.7 feet,

Pumping tests:

Feb. 1, 1927. Static water level: 15.3 feet.
 Pumping water level: 81.7 feet.
 Drawdown: 66.4 feet.
 Yield: 867 gallons a minute.
 Specific capacity: 13.

March 20, 1928. Static water level: 13.8 feet.
 Pumping water level: 74.5 feet.
 Drawdown: 60.7 feet.
 Yield: 850 gallons a minute.
 Specific capacity: 14.

Water level, +0.3 foot in 1932.

K 519. (2B, 5.2 N., 1.1 W.). Well F 19. Drilled by Public Works Engineering Corporation, 1928-1929. Altitude of street 29 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Fill, loam, boulders	8	8
Gravel, coarse, brown, boulders.	8	16
Gravel, coarse, small stones	94	110
Sand, brown, gravel.	16	126
Gravel, clay, large stones	34	160
Gravel, blue clay.	1	161
Clay, blue	25	186
Sand, water-blue, and gravel, streaks of clay . .	12	198
Gravel, water-blue, clay, considerable sand. . .	38	236
Sand, clay, and boulders	12	248
Clay, gray blue clay, and fine sand.	2	250

Screen: 18-inch from 195.7 feet to 238.5 feet.

(Continued on next page)

K 519. (Continued).

Pumping tests:

May 19, 1929.

Static water level: 32 feet.
 Pumping water level: 49 feet.
 Drawdown: 17 feet.
 Yield: 1,800 gallons a minute.
 Specific capacity: 106.

April 8, 1932

Static water level: 45.67 feet.
 Pumping water level: 56.92 feet.
 Drawdown: 11.25
 Yield: 1,333 Gallons a minute.
 Specific capacity: 119.

Chloride, 10 parts per million in 1928; 24 parts per million in 1933.
 Water level, -12.2 feet in 1932.

K 520. (2 B, 5.5 N., 0.4 W.). Well F 20. Drilled by Sprague & Henwood, Inc., 1928-1929. Altitude of street 42 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sandy loam	30	30
Sand, yellow	82	112
Clay, blue	3	115
Sand, fine, yellow	25	140
Sand, fine, and clay	7	147
Clay, blue	3	150
Sand, coarse, yellow, and shells	13	163
Sand, fine, brown.	47	210
Sand, brown.	10	220
Sand, gray	30	250
Sand, coarse, gray	60	310

Screen: 42.5 feet of 18-inch with bottom at 295 feet.

Pumping tests:

Dec. 10, 1929.

Static water level: 45.5 feet.
 Pumping water level: 59.0 feet.
 Drawdown: 13.5 feet.
 Yield: 1,800 gallons a minute.
 Specific capacity: 133.

March 10, 1932

Static water level: 51.43 feet.
 Pumping water level: 65.25 feet.
 Drawdown: 13.82 feet.
 Yield: 1,900 gallons a minute.
 Specific capacity: 137.

(Continued on next page)

K 520. (Continued).

Chloride, 10 parts per million in 1929; 28 parts per million on May 10, 1933; 28 parts per million on June 8, 1933; 24 parts per million on August 10, 1933. Water level, -12.6 feet in 1932.

K 521. (2 B, 4.3 N., 0.7 W.). Well F 21. Drilled by Public Works Engineering Corp. in 1929. Altitude of street 34 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Loam	1	1
Sand, coarse, brown, and gravel.	36	37
Sand, fine, red, and clay.	23	60
Sand, brown	110	170
Sand, fine, brown	43	213
Sand, brown, and gravel.	7	220
Sand, fine, gray	37	257
Clay, blue	100	357
Sand, coarse, gray, and gravel	23	380
Boulders	8	384
Gravel	26	410
No record.	20	430

Screen; 48.4 feet of 18-inch with bottom at 418.4 feet.

Pumping tests:

Oct. 20, 1929 Static water level: 35.5 feet
 Pumping water level: 55.0 feet
 Drawdown: 19.5 feet
 Yield: 2,400 gallons a minute.
 Specific capacity: 123.

March 22, 1932. Static water level: 36.21 feet
 Pumping water level: 51.53 feet.
 Drawdown: 15.32 feet.
 Yield: 2,150 gallons a minute.
 Specific capacity: 140.

Chloride, 30 parts per million in 1930; 266 parts per million in 1933.
 Water level, +1.4 feet in 1932.

K 521. (Continued).

Record by F. G. Wells from glass tubes showing a reproduction to scale of the boring.

	Thickness (feet)	Depth (feet)
Loam	1	1
Sand, coarse, brown and gravel	36	37
Sand, fine, reddish brown and clay	23	60
Sand, brown.	110	170
Sand, medium to fine grained, gray	43	213
Sand, gray, and gravel	44	257
Clay, gray - driller calls it blue clay.	100	357
Sand, coarse, gray, and gravel	53	410

K 522. (2 B, 4.5 N., 2.0 W.). Well F 22. Drilled by Public Works Engineering Corp., 1929-1930. Altitude of street 50 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse	95	95
Sand, fine	46	141
Clay, soft	40	181
Sand, fine	14	195
Sand, coarse, and water.	25	220
Clay, blue	2	222
Gravel and boulders.	21	243
Clay	17	260
Sand and boulders.	27	287
Gravel	3	290
Clay, soft	10	300

Screen: 50 feet of 18-inch with bottom at 244.1 feet, and
20 feet of 18-inch with bottom at 293.2 feet.

Pumping tests:

Sept. 6, 1930. Static water level: 55.0 feet.
Pumping water level: 67.5 feet.
Drawdown: 12.5 feet.
Yield: 2,200 gallons a minute.
Specific capacity 176,

March 23, 1932. Static water level: 58.24 feet.
Pumping water level: 69.17 feet.
Drawdown: 10.93 feet.
Yield: 1,900 gallons a minute
Specific capacity: 174.

Chloride, 25 parts per million in 1931; 33 parts per million in 1933.
Water level, -9.0 feet in 1932.

K 523. (2 B, 3.3 N., 2.8 W.). Well F 23. Drilled by Trojan Engineering Corp., 1929-1930. Altitude of street 47 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Loam	3	3
Sand and gravel.	57	60
Sand, red, and clay.	30	90
Sand, coarse, red, and clay.	10	100
Sand, fine, red.	55	155
Sand, brown, and gravel.	15	170
Sand, fine, brown.	30	200
Sand, coarse, brown.	20	220
Sand, coarse, and gravel	20	240
Sand, coarse, gray	11	251
Clay, gray	9	260
Clay, red.	15	275
Clay, blue	20	295
Sand, coarse, gray, and clay	5	300
Sand, fine, white, and clay.	20	320
Sand, coarse, white, and clay.	20	340
Sand, white, and clay.	5	345
Sand, coarse, white.	5	350
Sand, dark, gray	20	370
Sand, gray, and clay	10	380
Sand, gray and clay.	51	431
Sandstone, gray, reddish	104	535

Screen: 65.7 feet of 18-inch with bottom at 267.8 feet.

Pumping tests:

April 7, 1930. Static water level: 46.8 feet.
 Pumping level: 58.4 feet.
 Drawdown: 11.6 feet.
 Yield: 2,000 gallons a minute.
 Specific capacity: 172.

May 6, 1932. Static water level: 51.17 feet.
 Pumping level: 64.25 feet.
 Drawdown: 13.08 feet.
 Yield: 2,055 gallons a minute.
 Specific capacity: 157.

Chloride, 25 parts per million in 1931; 59 parts per million in 1933.
 Water level, -0.9 foot in 1932.

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K 523. (Continued).

Description by F. G. Wells from glass tubes showing a reproduction to scale of the boring.

	Thickness (feet)	Depth (feet)
Brown soil	3	3
Sand, coarse, brown, and gravel.	57	60
Sand, medium to fine grained, reddish.	30	90
Sand, coarse, reddish.	10	100
Sand, fine, brown.	55	155
Sand, coarse, brown.	15	170
Sand, fine, brown.	20	190
Sand, coarse, brown.	10	200
Sand, coarse, brown, and small gravel.	20	220
Gravel, small, gray in color due to dust coating	30	250
Clay, yellow, silty.	10	260
Clay, red.	15	275
Clay, reddish brown, silty	20	295
Sand, fine, gray, some clay.	55	350
Sand, coarse, white, quartz stained yellow by iron oxide. Some dark brown fragments	30	380
Sand, gray, very fine, silty	188	568

K 524. (2 B, 4.9 N., 0.7 W.). Well F 24. Drilled by Trojan Engineering Corp., 1930-1931. Altitude of street 33 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and gravel	15	15
Sand, gravel, and large boulders	10	25
Sand, coarse, and gravel	99	124
Sand, fine, brown, and blue clay	85	209
Clay, soft, blue	22	231
Sand, coarse, gray	56	287
Clay, soft, blue	34	321
Clay, hard, blue	43	364
Boulders, sand, and clay	5	369
Sand, hard, fine	4	373
Boulders	2	375
Gravel, large.	5	380
Boulders	2	382
Solid Rock	8	390

Screen: 60 feet of 18-inch with bottom at 286.7 feet.

(Continued on next page)

K 524. (Continued),

Pumping test:

Dec. 5, 1930.	Static water level:	48.6 feet.
	Pumping water level:	66.6 feet.
	Drawdown:	18 feet.
	Yield:	2,200 gallons a minute.
	Specific capacity:	122.

Chloride, 70 parts per million in 1931; 72 parts per million in 1933.
Water level, -9.1 feet in 1932.

K 525. (2 B, 3.7 N., 3.3 W.). Well F 25. Drilled by Trojan Engineering Corp., 1930-1931. Altitude of street 47 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Loam	9	9
Sand and large boulders	18	27
Gravel, coarse, sand, and boulders	20	47
Sand, fine, and boulders	40	87
Sand, hard packed	4	91
Sand, coarse, and fine gravel	129	220
Clay, blue, and sand	44	264
Clay, blue, sand and boulders mixed	31	295
Boulders and gravel	12	307
Clay, hard, bluish-black	3	310
Sand and clay	5	315
Clay, hard, bluish	20	335
Sand, coarse, quartz, and gravel	41	376
Clay, sand, and gravel	24	400

Screen: 40 feet of 18-inch with bottom at 299.9 feet.

Pumping tests:

April 6, 1931.	Static water level:	47.1 feet.
	Pumping water level:	58.6 feet.
	Drawdown:	11.5 feet.
	Yield:	2,200 gallons a minute.
	Specific capacity:	191

April 9, 1932.	Static water level:	48.42 feet.
	Pumping water level:	53.67 feet.
	Drawdown:	5.25 feet.
	Yield:	1,180 gallons a minute.
	Specific capacity:	225.

Chloride, 40 parts per million in 1931; 175 parts per million in 1933.
Water level, -1.5 feet in 1932.

(Continued on next page)

K 525. (Continued).

Description by F. G. Wells from samples of material in glass tubes showing a reproduction to scale of the boring.

	Thickness (feet)	Depth (feet)
Silt, fine, and clay, chocolate colored (soil) . .	9	9
Sand, gray	29	38
Sand, medium grained, light brown.	34	72
Sand, fine grained, light brown.	34	106
Sand, fine, silty.	10	116
Gravel, small.	19	135
Gravel, coarse	25	160
Clay, light gray	38	198
Boulders, broken-up.	64	262
Sand, coarse, gray	22	284
Gravel, coarse	18	302
Clay, light gray	30	332
Gravel, small.	4	336
Clay, light gray	22	358
Sand	3	361
Sand, light gray	44	405

K 526. (2 B, 5.5 N., 2.3 W.). Well F 26. Drilled by Trojan Engineering Corp., 1930-1931. Altitude of street 82 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, medium, brown, and a few boulders.	20	20
Sand, coarse, brown, and boulders.	11	31
Sand, medium, brown, and gray sand mixed	9	40
Sand, fine, brown and gray mixed	10	50
Sand, coarse, brown, and gravel.	70	120
Sand, coarse, gray, and gravel	10	130
Sand, medium, brown, and gravel.	10	140
Sand, coarse, brown, and gravel.	10	150
Sand, medium, brown, and gravel.	78	228
Clay, blue	6	234
Clay, blue, and sand	16	250
Clay, blue	43	293
Sand, coarse, gray, gravel and boulders.	61	354
Clay and boulders.	17	371
Rock	29	400

Screen: 55 feet of 18-inch with bottom at 358 feet.

(Continued on next page)

K 526. (Continued).

Pumping test:

March 19, 1931.	Static water level:	95.0 feet.
	Pumping water level:	117.4 feet.
	Drawdown:	22.4 feet.
	Yield:	2,200 gallons a minute.
	Specific capacity:	98.

Chloride, 10 parts per million in 1931; 13 parts per million in 1933.
Water level, -14.1 feet in 1932.

Description by F. G. Wells from glass tubes showing a reproduction to scale of the boring.

	Thickness (feet)	Depth (feet)
Sand, coarse grained, light brown.		
Sand, medium grained, brown.		
Sand, fine grained, brown. Probably contains some clay		130
Clay, dirty gray, with small pebbles of many sorts of rock		
Sand, medium grained		
Clay, dirty gray		
Sand, medium to coarse, brown.		250
Clay, dirty gray		
Gravel, small, and coarse sand. Very mixed. Is generally gray but many pebbles of red sandstone might cause it to be called brown		
Clay, gray, silty.		371

The only figures for depth found on the tubes are those given.

K 527. (2 B, 4.5 N., 2.0 W.). Well F 27. Drilled by Sprague & Henwood, Inc., in 1934. Altitude of street about 49 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and clay.	6	6
Clay, brown, cobble stones, and gravel	4	10
Sand, brown, coarse, and gravel.	15	25
Sand, brown, coarse, with trace of gravel.	5	30
Sand, light brown, coarse.	30	60
Sand, light brown.	10	70
Sand, light brown, fine.	69	139
Sand, light brown, fine, and soft yellow clay.	6	145

(Continued on next page)

K 527. (Continued).

Screen: 51.1 feet of No. 20 slot Cook with bottom at 134.5 feet.

Pumping tests: Static water level: 61.3 feet.
Pumping water level: 84.3 feet.
Drawdown: 23.0 feet.
Yield: 870 gallons a minute.
Specific capacity: 38.

Static water level: 61.3 feet.
Pumping water level: 77.3 feet.
Drawdown: 16.0 feet.
Yield: 600 gallons a minute
Specific capacity: 37.

Chloride, 62 parts per million in 1934. Water level, -12.6 feet in 1934.

K 528. (2 B, 4.9 N., 1.7 W.). Well F 28. Drilled by Sprague & Henwood, Inc., in 1934. Altitude of street about 61 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay	6	6
Sand and a little clay (streaky)	155	161
Sand and boulders.	5	166
Sand	24	190
Sand, gravel, and boulders	10	200
Sand	16	216
Sand and gravel.	4	220
Sand	13	233
Clay, sandy.	2	235
Clay	21	256
Sand, gray	15	271
Sand (boulders).	27	298
Clay, blue	61	359
Large boulders or solid rock	1	360

Screen: 50 feet with bottom at 303.3 feet.

Pumping test: Static water level: 77.0 feet.
Pumping water level: 102.3 feet.
Drawdown: 25.3 feet.
Yield: 2,180 gallons a minute
Specific capacity: 86.

(Continued on next page)

K 528. (Continued).

Pumping test:	Static water level:	77 Feet.
	Pumping water level:	94 feet.
	Drawdown:	17 feet.
	Yield:	1,540 gallons a minute.
	Specific capacity:	91

Chloride, 45 parts per million in 1934. Water level, -16.6 feet in 1934.

Log of test well near F 28. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay and gravel.	6	6
Clay, yellow, sand, and gravel	4	10
Clay, yellow, and boulders	15	25
Sand, brown, coarse.	40	65
Sand, mixed with a little yellow clay.	5	70
Sand, brown, coarse.	15	85
Sand, brown.	50	135
Sand, fine with a little yellow clay	5	140
Sand, brown, fine.	5	145
Sand, fine, and a little yellow clay	20	165
Sand, brown.	30	195
Sand, brown, coarse, and small gravel.	5	200
Sand, coarse, and large gravel	5	205
Sand, brown.	50	255
Sand, gray and brown, mixed, coarse.	5	260
Sand, dark gray, coarse, and large	5	265
Sand, gray, coarse	10	275
Sand, coarse, and large gravel	10	285
Sand, coarse	5	290
Sand, coarse, gravel, and boulders	6	296
Clay, blue	59.9	355.9
Boulders . . . . .	.2	356.1
Mica schist (shows biotite and muscovite).	15.8	371.9

Log of test well near F 28. Description from samples by F. G. Wells.

	Thickness (feet)	Depth (feet)
Sand, buff, silty with pebbles (top soil).	20	20
Sand, pinkish, coarse, and small gravel. Contains many fragments of diabase, schist, sandstone, granite, and various dark colored mineral grains.	45	65

(Continued on next page)

K 528. (Continued).

	Thickness (feet)	Depth (feet)
Sand, reddish, and a little clay. Driller reports clay.	5	70
Sand, coarse, pinkish, some small gravel, full of feldspar grains and large flakes of biotite and muscovite	15	85
Same as depth 70-85, changing into fine sand from 120 on.	50	135
Same as depth 85-135 with a little yellow clay . . .	5	140
Sand, fine	5	145
Sand, brown, fine, with some brown clay.	20	165
Sand with small lumps of clay.	20	185
Sand, rounded to subrounded with fragments of rock and various minerals common but not abundant. . .	10	195
Sand, coarse, and small gravel with much rock fragments	5	200
Same as depth 195-200, with large pebbles of siliceous schist up to 2 inches in diameter . . .	5	205
Sand, dirty brown.	50	255
Sand, coarse to fine gravel, dark gray in color, full of dark minerals, and schist fragments . . .	5	260
Sand, dark gray, coarse, and small gravel, many pebbles of schist diabase	5	265
Sand, dark gray, coarse, angular, and small gravel, fragments of sandstone, diabase, schist, at bottom the material is very coarse.	31	296
Clay, dark gray, plastic with very little grit . . .	60	356
At 356.9 feet a large boulder of either coarse diabase or diorite.	1	357
Fine granular purple drillings show biotite, muscovite, purple mica. Looks like mica schist .	15	372
Rock sample shows weathered granite rock. Feldspar turned to clay, some purple mica . . . ,		

K 529. (2 B, 4.1 N., 3.3 W.). Well F 29. Drilled by Sprague & Henwood, Inc., in 1934. Altitude of street about 62 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay, brown, and sand, few boulders.	22	22
Sand, brown, coarse, and gravel.	13	35
Sand, brown, coarse, and gravel mixed with yellow clay.	5	40
Sand, brown, coarse.	10	50

(Continued on next page)

K 529 (Continued).

	Thickness (feet)	Depth (feet)
Sand, brown, coarse, and gravel mixed with trace of yellow clay.	10	60
Sand, reddish brown, coarse.	30	90
Sand, reddish brown, fine, mixed with trace of red clay.	20	110
Sand, reddish brown.	12	122
Sand, reddish brown, fine.	3	125
Sand, reddish brown.	5	130
Sand, reddish brown, fine.	8	138
Sand, reddish brown.	2	140
Sand, reddish brown, fine, mixed with trace of yellow clay	5	145
Sand, light brown, very fine, mixed with trace of yellow clay	16	161
Sand, reddish brown, fine, and small gravel. . . .	19	180
Sand, reddish brown.	24	204
Sand, reddish brown, and small gravel.	9	213
Sand, reddish brown, streaky, and clay, no water .	7	220

Screen: 45.3 feet of No. 20 slot Cook with bottom at 145.3 feet.

Pumping tests: Static water level: 69.0 feet.
Pumping water level: 93.9 feet.
Drawdown: 24.9 feet.
Yield: 893 gallons a minute,
Specific capacity: 36.

Static water level: 69.0 feet,
Pumping water level: 85.7 feet.
Drawdown: 16.7 feet.
Yield: 600 gallons a minute.
Specific capacity: 36.

Chloride, 30 parts per million in 1934. Water level, -7.2 feet in 1934.

K 530. (2 B, 3.7 N., 2.7 W.). Well F 30. Drilled by Sprague & Henwood Inc., 1934-1935. Altitude of street about 33 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay, yellow	5	5
Clay, yellow, gravel, and boulders	5	10

(Continued on next page)

K 530. (Continued).

	Thickness (feet)	Depth (feet)
Sand, brown, coarse, and coarse gravel, and a little clay	5	15
Sand, grayish brown, coarse, and coarse gravel with a trace of clay.	5	20
Sand, grayish brown, coarse, and coarse gravel . .	15	35
Sand, brown, coarse, and a little gravel	20	55
Sand, brown, and trace of gravel	5	60
Sand, brown.	12	72
Sand, grayish brown, coarse, and coarse gravel . .	6	78
Sand, brown, coarse, and a little fine gravel. . .	7	85
Sand, brown, fine.	5	90
Sand, reddish brown.	10	100
Sand, reddish brown, coarse, and some fine gravel.	5	105
Sand, reddish brown, coarse.	10	115
Sand, reddish brown, coarse, and a little fine gravel.	10	125
Sand, brown, coarse.	5	130
Sand, brown.	5	135
Sand, brown, fine.	5	140
Sand, brown, fine with trace of clay	5	145
Sand, brown, fine mixed with about 25 percent clay	5	150
Sand, brown, fine, with trace of clay.	5	155
Sand, brown, fine, mixed with about 30 percent clay	5	160

Screen: 50 feet with bottom at 145 feet.

Pumping tests: Static water level: 43 feet.
Pumping water level: 57 feet.
Drawdown: 14 feet.
Yield: 1,500 gallons a minute.
Specific capacity: 107

Static water level: 43.0 feet.
Pumping water level: 60.8 feet.
Drawdown: 17.8 feet.
Yield: 1,900 gallons a minute.
Specific capacity: 107.

Chloride, 34 parts per million in 1935. Water level, -4.9 feet in 1934.

K 532. (2 B, 3.7 N., 1.5 W.). Test well. Drilled by Guaranteed Water Engineering Co., in 1930. Altitude of street 16 feet above mean sea level. Log begins about 5 feet below street level.

(Continued on next page)

K 532. (Continued).

	Thickness (feet)	Depth (feet)
Top soil	5	5
Sand, brown, and gravel.	25	30
Sand, fine, brown.	37	67
Sand, fine, gray	39	106
Sand, fine, muddy.	10	116
Sand, brown, coarse, and gravel.	17	133
Sand, gray, packed	4	137
Sand, brown, coarse, and gravel.	20	157
Clay, tough, blue.	32	189
Sand, coarse, blue	6	195
Gravel, heavy.	15	210
Clay, blue, and boulders	24	234
Sand, coarse, and gravel	3	237
Clay, tough, blue.	38	275
Sand, blue, coarse, and gravel	49	324
Clay, white.	73	397
Hardpan - soft shale	23	420
Rock, decomposed granite	45	465

Screen; 8-inch drive pipe perforated from 305 feet to 320 feet. 65 feet of open hole from 391 feet to 456 feet.

An automatic water-stage recorder was operated on this well from May 28, 1935 to November 9, 1936. Thereafter water-level measurements have been made each week.

Lowest water level, in feet below (-) mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
<u>1935</u>		<u>1936</u>		<u>1936</u>	
June 1	-0.60	Jan. 1	-1.37	Sept. 1	-1.25
July 1	-.84	Feb. 1	-1.18	Oct. 4	-1.05
Aug. 1	-.98	Mar. 1	-1.11	Nov. 1	-1.00
Sept. 1	-1.11	Apr. 1	-.87	Dec. 5	-1.24
Oct. 1	-1.14	May 1	-.68	<u>1937</u>	
Nov. 1	-1.25	June 1	-.85	Jan. 2	-.92
Dec. 1	-1.29	July 1	-.96	Feb. 6	-.69
		Aug. 1	-1.11	Mar. 6	-.57
				Apr. 3	-.74

More detailed water level data are available in the Jamaica Office of the U. S. Geological Survey.

K 533. (2 B, 5.5 N., 0.4 W.). Test well. Drilled by Sprague & Henwood, November 1929. Altitude of street 42 feet above sea level. Log begins at street level. Record collected by J. H. Sanford,

	Thickness (feet)	Depth (feet)
No sample.	30	30
Sand, coarse, brown, some muck, and black magnetite.	10	40
Sand, coarse, light brown, white silica clean.	20	60
Sand, finer, light brown, magnetite.	10	70
Sand, coarse, light brown.	10	80
Sand, coarse, light brown and grayish, magnetite.	30	110
Sand, finer, light and grayish brown, magnetite.	10	120
Sand, finer, light and grayish brown, little clay, magnetite.	10	130
Sand, fine to coarse, gray brown with little more clay.	10	140
Sand, fine, gray brown (considerable clay).	7	147
Clay, fine, dark gray, water tight.	3	150
Sand, coarse, light brown with oyster shells.	23	173
Sand, coarse, brown (no shells).	10	183
Sand, coarse, brown, slightly clayey.	10	193
Sand, coarse, brown (no shells).	10	203
Sand, coarse, light brown, some clay.	7	210
Sand, coarse, light gray-brown, no clay.	10	220
Sand, coarse, dark gray-brown, no clay.	20	240
Sand, dark gray-brown, coarse, and clean.	10	250
Sand, coarser, dark gray-brown, clean, water.	10	260
Sand, dark gray-brown, coarser, and clean.	10	270
Sand, very coarse, lighter color.	10	280
Sand, coarse, light gray, and brown.	10	290
Sand, very coarse, light gray, and brown.	10	300
Sand, very coarse, grayish with particles of brown sand.	10	310
Sand, finer, gray-brown with black muck.	10	320
Clay, dark gray, sandy.	10	330
Sand, gray-brown, coarse with mica, clean.	10	340
Sand, dark gray, clean.	10	350
Sand, dark brown to gray with clay.	10	360
Sand, dark brown to gray, coarse, some black muck.	10	370
Sand, coarse, dark.	10	380
Sand, fine, brownish or dark gray with some muck.	10	390
Sand, brown-gray with gneiss boulders.	5	395

Note: Owner reports well plugged back to 295 feet, casing perforated from 280 to 290 feet.

Description by F. G. Wells from glass tubes showing a reproduction to scale of boring.

(Continued on next page)

K 533. (Continued).

	Thickness (feet)	Depth (feet)
Sand and silt (soil)	30	30
Sand, coarse, brown in color	50	80
Coarser than preceding but otherwise the same.	32	112
Clay, gray	3	115
Sand, fine, buff	25	140
Sand, fine, and clay	7	147
Clay, lead gray.	3	150
Sand, coarse, brown with fragments of shells	13	163
Sand, brownish gray, fine.	27	190
Sand, fine, yellowish gray	30	220
Sand, gray speckled, contains much rock material	30	250
Sand, coarse, gray, contains fragments of many kinds of rock	60	310
Sand, fine, gray	7	317
Clay, dark gray.	8	325
Sand, gray	25	350
Sand, fine, gray	10	360
Sand, gray	15	375
Sand, very fine grained, and clay.	5	380
Sand, brown (looks glacial).	5	385
Sand, driller reports gravel and boulders.		

An automatic water-stage recorder was installed on this well on September 7, 1932, and is still in operation.

Lowest water level, in feet below (-) mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
<u>1932</u>		<u>1934</u>		<u>1935</u>	
Sept. 8	-19.09	Jan. 1	-20.93	May 1	-21.88
Oct. 1	-19.87	Feb. 1	-20.86	June 1	-21.82
Nov. 1	-19.94	Mar. 1	-21.12	July 1	-22.02
Dec. 1	-20.09	Apr. 1	-20.74	Aug. 1	-22.32
<u>1933</u>		May 1	-21.14	Sept. 1	-22.42
Jan. 1	-20.06	June 1	-21.21	Oct. 1	-22.54
Feb. 1	-20.18	July 1	-21.51	Nov. 1	-22.80
Mar. 1	-20.24	Aug. 1	-21.61	Dec. 1	-22.61
Apr. 1	-20.20	Sept. 1	-21.79	<u>1936</u>	
May 1	-20.24	Oct. 1	-21.86	Jan. 1	-22.60
June 1	-20.19	Nov. 1	-21.74	Feb. 1	-22.63
July 1	-20.65	Dec. 1	-21.74	Mar. 1	-22.55
Aug. 1	-20.92	<u>1935</u>		Apr. 1	-22.56
Sept. 1	-20.52	Jan. 1	-21.81	May 1	-22.48
Oct. 1	-20.97	Feb. 1	-21.89	June 1	-22.60
Nov. 1	-20.78	Mar. 1	-21.88	July 1	-23.03
Dec. 1	-20.87	Apr. 1	-21.73	Aug. 1	-23.32

(Continued on next page)

K 533. (Continued).

Lowest water level, in feet below (-) mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
<u>1936</u>		<u>1937</u>		<u>1937</u>	
Sept. 1	-23.43	Jan. 1	-23.66	May 1	-23.42
Oct. 1	-23.66	Feb. 1	-23.38	June 1	-23.47
Nov. 1	-23.71	Mar. 1	-23.29	July 1	-23.74
Dec. 1	-23.77	Apr. 1	-23.24	Aug. 1	-23.86
				Sept. 1	-24.19

More detailed water level data are available in the Jamaica Office of the U. S. Geological Survey.

K 534. (2 B, 3.7 N., 1.5 W.). Test well. Drilled May 1915. Altitude of street 17 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and clay.	35	35
Sand, fine, gray (water)	85	120
Sand, changing in coarseness (water)	30	150
Sand, coarse, gravel (water)	17	167
Clay, blue	123	290
Sand, fine, black (water).	29	319
Clay, white.	30	349
Mica rock.	6	355
Clay, white, sandy	66	421
Clay, white, that oozed into the hole. This undoubtedly was a loose strata of the mica rock with a mixed white clay	12	433
Mica or gneiss rock.	36	469

Screen: 12 feet of 6-inch with bottom at 311 feet.

K 535. Gravesend pumping station Well 1. Well is 81.4 feet deep below measuring point. Measuring point is top of "T" on well 11 feet below street level. Altitude of measuring point, 7.03 feet above mean sea level. Weekly water level measurements in this well were started on November 7, 1936 and have been continued to date.

(Continued on next page)

K 535. (Continued).

Water level in feet above mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
1933		1937		1937	
Mar. 30	2.6	Jan. 2	2.50	May 1	2.25
1936		Feb. 6	2.50	June 5	2.07
Nov. 7	2.23	Feb. 27	2.49	July 3	2.00
Dec. 5	2.53	Apr. 3	2.21	July 31	1.86

More detailed water level data are available in the Jamaica Office of the U. S. Geological Survey.

Chloride, 24 parts per million in 1931; 100 parts per million in 1932.

There are 23 6-inch wells at this pumping station all connected by suction line. The pumping station has not been operated in recent years.

K 537. (3 B, 4.3 N., 4.2 W.). Canarsie pumping station 24-inch stovepipe well 1. Drilled in 1909 by owner. Altitude of street about 19 feet above sea level. Log begins at street level.

	Thickness (feet)	Depth (feet)
Sand, coarse, with a trace of gravel	51	51
Sand, fine, dirty, dark-colored.	46	97
. Sand, fine, dirty, dark-colored containing traces of fine gravel.	34	131
Sand, coarse, dark with 10 percent gravel	10	141
Sand, coarse, dark with 20 percent gravel	6	147
Sand, medium, dark with a trace of fine gravel. .	12	159
Sand, fine, dark, very dirty	14	173
Sand, dark with a trace of gravel and broken shells.	20	193
Sand, coarse with 20 percent very coarse gravel .	20	213

Record of Stovepipe Well 1 collected by W. O. Crosby.

Sand, brown-gray, little mica.	50	50
Sand, coarse, brown-gray, little mica.	7	57
Sand, fine, brown-gray, little mica.	4	61
Sand, coarse, brown-gray, pebbles and mica . . .	23	84
Sand, coarse, brown, a few clam and oyster shells	21	105
Sand, fine, gray, little mica.	26	131

(Continued on next page)

K 537. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, and coarse gravel. The sample included two pebbles of pink biotite granite, hard and sound, one of red sandstone, one of quartz, conglomerate, and others of slate, trap and quartz. No granite was noted below 141 feet	16	147
Sand, brown-gray, very uniform	12	159
Sand, fine, brown-gray, little mica.	14	173
Sand, brown-gray, little mica.	10	183
Sand, coarse, brown-gray, and fine gravel, no granite, broken shells noted by driller	10	193
Sand, coarse, brown-gray, and medium gravel, no granite.	20	213

The pebbles below 183 feet are mainly quartz sandstone and quartz, and are well rounded.

Canarsie Well 5. Well is 154.7 feet deep below measuring point. Measuring point is top of "T" on well 13 feet below street level. Altitude of measuring point is 8.13 feet above mean sea level. Weekly water level measurements in this well were started on February 1, 1936 and have been continued to date.

Water level in feet below (-) mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
<u>1936</u>		<u>1936</u>		<u>1937</u>	
Feb. 1	-5.60	Aug. 29	-5.95	Feb. 27	-5.07
Feb. 29	-5.45	Oct. 3	-5.74	Apr. 3	-5.32
Mar. 28	-5.19	Oct. 31	-5.80	May 1	-5.38
May 2	-5.04	Nov. 28	-6.06	June 5	-5.48
May 30	-5.22	<u>1937</u>		July 3	-5.69
July 2	-5.50	Jan. 2	-5.60	July 31	-5.90
Aug. 1	-5.77	Jan. 30	-5.31		

More detailed water level data are available in the Jamaica Office of the U. S. Geological Survey.

Canarsie Well 17. Well is 61.38 feet deep below measuring point. Measuring point is top of "T" on well 13 feet below street level. Altitude of measuring point, 8.19 feet above mean sea level. Weekly water level measurements in this well were started on October 24, 1936 and have been continued to date.

(Continued on next page)

K 537. (Continued).

Water level in feet below (-) mean sea level

Date	Water Level	Date	Water Level	Date	Water Level
<u>1936</u>		<u>1937</u>		<u>1937</u>	
Oct. 24	-5.61	Jan. 30	-5.18	May 1	-5.28
Nov. 7	-5.76	Feb. 6	-5.06	June 5	-5.39
Dec. 5	-6.01	Feb. 27	-4.95	July 3	-5.58
<u>1937</u>		Apr. 3	-5.22	July 31	-5.80
Jan. 2	-5.47				

More detailed water level data are available in the Jamaica Office of the U. S. Geological Survey.

There are 16 6-inch wells at this pumping station, all connected by suction line. Pumping station has not been operated in recent years.

K 538. (3 C, 0.3 N., 2.1 W.). Well 9, New Lots pumping station. Altitude of street about 10 feet above sea level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay, dark blue, and sand.	5	5
Sand, fine, sharp.	5	10
Sand, fine, sharp.	15	25
Sand, fine, sharp, and traces of mica.	20	45
Sand and traces of mica.	10	55
Sand and fine gravel	15	70
Clay, light-colored.	2	72
Clay, dark blue.	4	76
Clay, dark blue, and sand.	13	89
Sand, coarse, and gravel	3	92
Sand, fine, red, and gravel.	25	117
Clay, dark blue.	5	122
Gravel, coarse	3	125
Sand, gray, and gravel	11	136
Sand, fine, red.	36	172

Water level, 0.7 feet above mean sea level on March 30, 1933. There are 50 6-inch wells at this pumping station all connected by suction line. Pumping station has not been operated in recent years.

K 541. (1 B, 2.8 N., 0.7 W.). Drilled in 1916. Altitude of street about 90 feet above sea level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Clay, red, gravelly.	74	74
Gravel, fine, water-bearing.	46	120

There are 9 6-inch wells, 120 to 150 feet deep, and 6 10-inch wells 300 feet deep on this property. Chloride, 15 parts per million in 1916; 43 parts per million in September 1917. Hardness, 155 parts per million. The pumping stations are now abandoned.

K 543. (3 C, 1.2 N., 2.7 W.). Test well 5, New Ridgewood Reservoir. Drilled by Brooklyn Water Department in 1895. Altitude about 61 feet above sea level. An abbreviated log of this well is given in U. S. Geological Survey Professional Paper 44, page 191. The following record is furnished by the present owner.

	Thickness (feet)	Depth (feet)
Top soil	16	16
Gravel, brown, and sand.	24	40
Sand, fine, yellow	11	51
Gravel, coarse	11	62
Gravel	26	88
Sand, sharp, gray.	43	131
Gravel, brown, and sand.	62	193
Clay, blue, with traces of decayed wood.	7	200
Sand, dark gray.	16	216
Clay, blue	64	280
Sand, black.	4	284

The following log, by W. O. Crosby, appears to be based on his study of samples from well 5.

	Thickness (feet)	Depth (feet)
Sand, brown and gray, and gravel.	35	35
Gravel, coarse, and sand, abundant granitic material	12	47
Sand, gray, and fine gravel, some mica and granite	33	80
Sand, coarse, gray, and fine gravel, fragments of oyster shells	2	82
Gravel, coarse, arkose sandstone, oyster shells . .	6	88
Sand, gray, with oyster shells	1	89
Sand, coarse, yellow, and faceted stones.	5	94
Clay, blue, and gray with trace of lignite	3	97

(Continued on next page)

K 543. (Continued).

	Thickness (feet)	Depth (feet)
Sand, yellow, and fine gravel, trace of granite. . .	4	101
Clay, sandy, blue, trace of lignite.	4	105
Sand, coarse, gray, fine gravel, trace of clay . . .	2	107
Sand, coarse, yellow, micaceous.	1	108
Clay, blue, no lignite	2	110
Sand, coarse, gray, and trace of clay.	1	111
Sand, reddish brown, and gravel.	81	192
Clay, gray	8	200
Sand, dark, silty.	16	216
Clay, gray, silty.	65	281
Silt, gray, and gravel, containing large dark- colored pebbles about one-fourth of which are quartz.	3	284

K 557. Chloride, 36 parts per million in 1936.

K. 575. There is one diffusion well on this property, 30 inches in diameter, 48 feet deep.

K 576. (1 B, 2.3 N., 1.5 W.). Drilled by C. W. Lauman & Co., December 1934, January 1935. Altitude of street about 82 feet above sea level. Log begins about 15 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Boulders and clay.	7	7
Hardpan.	4	11
Clay, red, sandy	59	70
Sand, coarse, and pebbles.	38	108

Screen: 16 feet of 8-inch No. 25 slot Johnson Everdur set at 105 feet.

Specific capacity: 10 gallons a minute per foot of drawdown.

K 577. (2 B, 1.7 N., 0.2 W.). Drilled by C. W. Lauman & Co., Spring of 1936. Altitude of street 12 feet above sea level. Log begins at street level. Driller's log.

(Continued on next page)

K 577. (Continued).

	Thickness (feet)	Depth (feet)
Fill, ashes.	12	12
Marsh muck	18	30
Sand, coarse, brown.	28	58
Sand, fine, brown.	42	100

Screen: 8.3 feet of Johnson Everdur set at 100 feet.

Capacity: Pump set to do 69 gallons a minute (17 foot draw-down). (On test run 120 gallons a minute was pumped with 23 foot drawdown).

K 578. (3 C, 0.1 N., 4.1 W.). Drilled by C. W. Lauman & Co., in 1935. Altitude of street 44 feet above sea level. Log begins 6 feet below street level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, very coarse.	40	40
Sand, fine, clean.	18	58
Sand	28	86

Screen: 10.8 feet set at 86 feet.

There is one diffusion well on this property, 30 inches in diameter, 24 feet deep.

K 579. (2 C, 4.2 N., 1.3 W.). Drilled by Reilly. Altitude of street 7 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Glacial deposits	82	82
Bedrock.	743	825

K 580. (2 B, 2.0 N., 1.0 W.). Drilled by C. W. Lauman & Co., December 13-19, 1934. Altitude of street about 18 feet above sea level. Log begins 3 feet below street level. Description by G. H. Clark from examination of samples.

(Continued on next page)

K 580. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, brown, and fine gravel	15	15
Sand, clayey, and gravel	22	37
Sand, medium to coarse, brown.	13	50
Sand, medium, brown, clean	12	62
Sand, fine to medium, brown.	4	66

Screen: 12 feet of No. 20 slot Johnson Everdur.

K 582. There is one diffusion well on this property.

K 584. (1 B, 3.1 N., 1.2 W.). Drilled by J. L. Harper. Altitude of street 60 feet below sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, dry.	23	23
Sand, gravel, and many boulders.	82	105
Gravel, coarse, water-bearing.	25	130
Clay, blue	15	145

K 591. Hardness, 55 parts per million.

K 619. (3 B, 5.4 N., 3.5 W.). Drilled by Layne-New York Co., in 1937. Altitude of street 25 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand	41	41
Sand, light brown.	85	126
Sand, containing "clay balls"	19	145
Sand, dark brown	86	231
Clay, soft, blue-gray - few sandy streaks.	143	374
Clay, sandy, hard, blue. Core sample shows fairly uniform mixture of hard sand and clay	49	423
Clay, light gray	5	428

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K 619. (Continued).

	Thickness (feet)	Depth (feet)
Gravel, mostly white silica; some black particles mixed with light brown sand containing scattered greenish particles.	23	451
Bedrock or boulders - too hard to get any returns with rotary bit		

K 635. (1 B, 2.0 N., 0.1 W.). Drilled by C. W. Lauman & Co., August 1935. Description by G. H. Clark from examination of samples.

	Thickness (feet)	Depth (feet)
Topsoil, brown, sand and gravel - coarse, poorly sorted.	40	40
Sand, coarse brown, and fine gravel.	12	52
Sand, brown, medium to coarse.	6	58
Sand, coarse, brown, some gravel	6	64
Sand, brown.	11	75

Screen: 12 feet of 8-inch No. 25 slot Johnson steel screen
set at 75 feet.

Static water level: 12 feet.

Drawdown: 4 feet

Yield: 75 gallons a minute. (Not tested to limit).

K 636. (1 B, 2.6 N., 0.3 W. Drilled by C. W. Lauman & Co., April 1935. Log begins at street level. Driller's log.

	Thickness (feet)	Depth (feet)
Clay and stones.	42	42
Sand, coarse, and gravel, and dark red clay.	18	60
Sand, coarse, with about 20 percent red clay	25	85
Sand, coarse, brown, with about 10 percent red clay.	13	98

Static water level: 54 feet.

K 637. (2 C, 2.8 N., 1.4 W.). Drilled by C. W. Lauman & Co., in 1937. Log begins at basement floor. Driller's log.

(Continued on next page).

K 637. (Continued).

	Thickness (feet)	Depth (feet)
Boulders, clay, and water.	27	27
Gravel, large, and sand.	18	45
Gravel and sand.	45	90
Clay, gray	10	100

Screen: 21.9 feet of 8-inch No. 30 slot set at 90 feet.

Static water level: 42 feet from top of well which is level with basement floor.

Log of 12-inch diffusion well (gravel pack type).

	Thickness (feet)	Depth (feet)
Clay with boulders	11	11
Sand, coarse	29	40

Screen: 20 feet of 12-inch slotted pipe.

K 638. (2 C, 0.4 N., 4.0 W.). Altitude of street 9 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Fill	9	9
Bog.	1	10
Clay, brown, and boulders.	133	143
Clay, blue	1	144
Sand, coarse, gray, containing small amount of clay, water-bearing.	14	158
Sand, coarse, gray, some gravel, water-bearing. . . .		

K 639. (2 C, 0.1 N., 4.0 W.). Drilled by Sweeney and Gray. Altitude of street 28 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

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K 639. (Continued).

	Thickness (feet)	Depth (feet)
Filled ground.	30	30
Sand and clay, brown, some boulders.	120	150
Sand, dirty grayish, with thin streaks of clay, some water.	20	170
Sand and gravel, clean, gray	20	190

K 640. Record of borings between Old Slip (Manhattan) and Montague Street, (Brooklyn). Record collected by W. O. Crosby. Bedrock determined by C. P. Berkey.

<u>No.</u>	<u>Location</u>	<u>Bedrock altitude (feet)</u>	<u>Bedrock penetrated (feet)</u>	<u>Nature of bedrock</u>
1	Near Old Slip	-33.3	21.0	Coarse mica schist.
2	800 feet east of pier head.	-46.3	11.0	Hornblende schist.
3	1,040 feet east of pier head.	-50.3	11.0	Granite gneiss.
4	1,425 feet east of pier head.	-68.3	8.0	Pegmatite and gneiss.
5	Pier (Brooklyn).	No rock at altitude of -71.51 feet.		

(ABOUT

K 641. Record of boring 1,400 feet east of Pineapple Street pier head. Record collected by W. O. Crosby. Bedrock determined by C. P. Berkey. Altitude of bedrock, -64.28 feet. Granite gneiss penetrated to depth of 11.0 feet.

K 642. Record of borings between Beekman Street (Manhattan) and Cranberry Street (Brooklyn). Record collected by W. O. Crosby. Bedrock determined by C. P. Berkey.

<u>No.</u>	<u>Location</u>	<u>Bedrock altitude (feet)</u>	<u>Bedrock penetrated (feet)</u>	<u>Nature of bedrock</u>
1	925 feet east of pier head.	-92.28	3.0	Mica schist (boulders?)
2	100 feet east of pier head.	Rock on boulders at altitude -91.51 feet.		

K 643. (2 B, 2.5 N., 1.2 W.). Test well 15. Altitude of street about 15 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, light brown.	18	18
Sand, fine to very fine, light brown	9	27
Sand, fine, dark brown	23	50
Sand, fine, light brown.	22	72
Sand, fine, dark brown	28	100
Sand, brown.	12	112
Sand, coarse, brown with fair proportion of fine sand and coarse gravel, proportion of gravel increasing with depth	30	142

K 644. (2 B, 2.1 N., 3.4 W.). Test well 16. Altitude of street about 25 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Yellow top soil.	4	4
Sand, rough, brown, and gravel	3	7
Sand, fine, brown.	13	20
Sand, rough, brown, and fine gravel.	14	34
Sand, brown, and large gravel.	6	40
Sand, brown, and fine gravel	10	50
Sand, fine, brown, and small gravel.	8	58
Sand, rough, brown, and fine gravel.	11	69
Sand, fine, brown.	20	89
Sand, rough, brown, and gravel	1	90
Sand, rough, brown	17	107
Sand, brown, and small gravel.	12	119
Sand, fine, brown.	8	127
Sand, rough, brown, and fine gravel.	3	130
Gravel, fine, and rough brown sand	8	138
Sand, fine, brown.	8	146
Sand, fine, rough, brown.	4	150
Gravel, large, and rough brown sand.	1.5	151.5
Sand, coarse, brown.	1.5	153

K 645. (2 C, 0.4 N., 3.8 W.). Altitude of street about 15 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

(Continued on next page)

K 645. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine	40	40
Clay, blue	10	50
Sand, mainly fine. Shells found 80 to 82 feet	46	96

K 646. (2 C, 0.4 N., 3.6 W.). Drilled by Boyd Engineering Co., in 1908. Altitude of street about 10 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Filled ground.	30	30
Clay, blue and red, and hardpan.	70	100
Sand	65	165
Sand, coarse, black.	23.3	188.3

Record collected by W. O. Crosby.

Filled ground.	30	30
Clay, blue	25	55
Hardpan (till)	52	107
Clay, red.	47	154
Sand	31	185
Sand, coarse, black.	9	194

K 647. (2 C, 0.5 N., 4.2 W.). Drilled by Boyd Engineering Co., in 1907. Altitude of street about 10 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Filled ground.	30	30
Many alternations of hardpan, coarse and fine gravel, sand, and blue and red clay . . .	172	202

There are five wells at this location ranging in depth from 171 feet to 202 feet.

K 648. (2 C., 0.3 N., 3.6 W.). Test hole 16W27. Drilled by Boyd Engineering Co. Altitude of street, 38 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Filled ground.	19	19
Gravel	1	20
Clay, blue	2	22
Gravel, red.	13	35
Hardpan.	29	64
Boulders	21	85
Sand	65	150
Clay, blue	2	152
Sand, coarse	33	185
Gravel	12	197

K 649. (2 C, 0.3 N., 3.7 W.). Drilled by Boyd Engineering Co. in 1908. Altitude of street about 10 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Filled ground (average).	25	25
Many alternations of hardpan, coarse and fine gravel and sand, and blue and red clay	175	200

There are two wells at this location.

K 650. (2 C, 0.2 N., 3.7 W.). Drilled by Boyd Engineering Co., in 1908. Altitude of street about 10 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Filled ground.	15	15
Boulders	30	45
Sand and gravel.	76	121
Clay, blue	41	162
Sand, coarse, black.	15	177
Gravel	18	195

K 651. (2 C, 0.6 N., 3.7 W.). Altitude of street about 15 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand	80	80
Hardpan (boulder clay) with "oyster shells". . . .	70	150
Gravel, coarse	15	165

K 652. (2 C, 0.5 N., 3.6 W.). Drilled by Boyd Engineering Co., in 1907. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Filled ground.	32	32
Clay, blue	10	42
Gravel	9	51
Hardpan and gravel	92	143
Clay, blue, sand, and gravel	57	200

K 653. (2 C, 0.6 N., 3.7 W.). Drilled by Boyd Engineering Co., 1906-1908. Altitude of street about 10 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Filled ground.	12	12
Alternations of hardpan, coarse and fine gravel, sand, and red and blue clay	163	175

Several of the gravels are water-bearing to a limited extent.

There are ten wells at this location.

K 654. (2 C, 1.2 N., 3.9 W.). Test hole 98, Contract 214. Drilled by Sprague & Henwood Inc., July 9, 1924. Altitude of street 25 feet above sea level. Log begins at street level. Record furnished by owner.

(Continued on next page)

K 654. (Continued)

	Thickness (feet)	Depth (feet)
Sand, fine, and clay	40	40
Sand, fine	60	100
Sand, medium gray	24.7	124.7
Granodiorite	33.9	158.6

K 655. (2 C., 1.3 N., 3.4 W.). Test hole 88, Contract 214. Drilled by Sprague & Henwood, Inc., June 20, 1924. Altitude of street 39 feet above sea level. Log begins at street level. Record furnished by owner,

	Thickness (feet)	Depth (feet)
Sand, coarse, and clay	30	30
Sand, coarse	1	31
Sand and gravel	12	43
Sand	133	176
Sand and boulders	4	180
Sand, fine	3	183
Boulder and clay	3.8	186.8
Clay and disintegrated rock	3.2	190
Disintegrated rock	5	195
Gneiss	19	214

K 656. (2 C, 1.4 N., 3.4 W.). Test hole 100, Contract 214. Drilled by Sprague & Henwood Inc., July 9, 1924. Altitude of street 43 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and clay	40	40
Sand	92.5	132.5
Quartzite	1.2	133.7
Gneiss	25.7	159.4

K 657. (2 C, 1.0 N., 3.1 W.). Altitude of street 44 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Gravel, sand, clay, and boulders	95	95
Sand and gravel	111	206
Bedrock	21.8	227.8

K 658. (2 C, 1.8 N., 2.7 W.). Test hole 61, Contract 214. Drilled by Sprague & Henwood Inc., May 13, 1924. Altitude of street 61 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, brown.	41	41
Sand and gravel.	14	55
Sand, brown.	60	115
Sand and silt, slate-colored	20	135
Silt, gray	29.5	164.5
Clay, bluish	16.8	181.3
Granodiorite	20.5	201.8

K 659. (2 C, 1.4 N., 3.2 W.). Record of boring. Altitude of street 38 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and boulders.	144.7	144.7
Bedrock.	25.3	170

K 660. (2 C, 1.5 N., 3.3 W.). Record of boring. Altitude of street about 35 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and boulders.	102	102
Bedrock.	23	125

K 661. (2 C, 1.8 N., 3.2 W.). Test hole 104, Contract 214. Drilled by Sprague & Henwood Inc., August 10, 1924. Altitude of street 54 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Loam and filled ground	4	4
Gravel and sand.	13	17
Gravel	26	43
Sand and gravel.	14	57
Sand, coarse, brown.	15	72
Sand, gray	10	82

(Continued on next page)

K 661. (Continued).

	Thickness (feet)	Depth (feet)
Sand, fine, gray	10	92
Sand, micaceous.	15	107
Sand, coarse, light brown.	13	120
Sand, gray	5	125
Sand, bluish, and a little clay.	3	128
Granodiorite	20.3	148.3

K 662. (2 C, 2.7 N., 3.8 W.). Test boring at bulkhead line at Manhattan Bridge. Log begins at river level. Record collected by J.H. Sanford.

	Thickness (feet)	Depth (feet)
Water.	20	20
Silt	16	36
Hardpan.	2	38
Sand	48	86
Gravel, fine	6	92
Gravel	6	98
Rock	10	108

K 663. (2 C, 2.1 No., 2.8 W.). Test hole 78, Contract 214. Drilled by Sprague & Henwood Inc., June 4, 1924. Altitude of street 14 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, brown.	22	22
Silt, gray	8	30
Sand, brown.	32	62
Sand, white.	53	115
Silt, gray	20	135
Sand, white.	25	160
Gravel, fine	5	165
No record.	10.2	175.2
Granodiorite	20	195.2

K 664. (2 C, 2.4 N., 2.5 W.). Test hole 41, Contract 214. Drilled by Sprague & Henwood Inc., January 31, 1924. Altitude of street 17 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay and sand.	7	7
Sand and clay, brown	4	11
Gravel, fine, some boulders.	66	77
Sand, coarse, black and white.	44.6	121.6
Clay, black and blue	37.7	159.3
Granodiorite	20	179.3

K 665. (2 C, 2.2 N., 2.6 W.) Test hole 51, Contract 214. Drilled by Sprague & Henwood Inc., March 1, 1924. Altitude of street 12 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, brown.	120.5	120.5
Clay, slate-colored.	31.6	152.1
Granodiorite	17.7	169.8

K 666. (2 C, 2.6 N., 2.2 W.). Test hole 22, Contract 214. Drilled by Sprague & Henwood Inc., December 18, 1923. Altitude of street 55 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay and coarse brown sand	10	10
Sand, brown, clay, and gravel.	20.2	30.2
Sand, coarse, brown.	24.8	55
Sand, brown, and gravel.	4	59
Sand, fine, brown	17	76
Sand, pepper-colored	93.2	169.2
Boulders and sand.	24.8	194
Granodiorite	20	214

K 667. (2 C, 2.8 N., 2.0 W.). Test hole 83, Contract 214. Drilled by Sprague & Henwood Inc., July 1, 1924. Altitude of street 45 feet above sea level. Log begins at street level. Record furnished by owner.

(Continued on next page)

K 667. (Continued).

	Thickness (feet)	Depth (feet)
Sand, red.	6	6
Silt, brown.	8	14
Clay and sand, yellow.	15	29
Sand and gravel, light brown.	11	40
Sand, coarse, brown, and gravel.	29	69
Sand, white.	21	90
Sand, brown.	30	120
Sand, white.	24	144
Clay, stiff, brown.	5	149
Sand, blue-white.	11	160
Sand, white.	28.3	188.3
Granodiorite	13.2	201.5

K 668. (2 C, 1.0 N., 4.1 W.). Test hole 310, Contract 221. Drilled by Osborne Drilling Corp. June 4, 1927. Altitude of street 57 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand with some boulders.	179.7	179.7
Gneiss	20	199.7

K 669. (2 C, 1.0 N., 4.3 W.). Test hole 311a, Contract 221. Drilled by Osborne Drilling Corp. June 20, 1927. Altitude of street 48 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Gravel and sand.	162.1	162.1
Gneiss	20	182.1

K 670. (2 C, 2.9 N., 2.0 W.). Test hole 105, Contract 214. Drilled by Sprague & Henwood Inc., July 21, 1924. Altitude of street 30 feet above sea level. Log begins at street level. Record furnished by owner.

(Continued on next page)

K 670. (Continued).

	Thickness (feet)	Depth (feet)
Filled ground and loam	5	5
Loam and gravel.	15	20
Sand, coarse, brown.	10	30
Sand, brown.	15	45
Sand, fine, brown.	10	55
Sand, coarse, brown, and small gravel.	10	65
Sand, brown.	15	80
Sand, fine, brown.	15	95
Sand, fine gray with some clay	10	105
Sand, dark red, and clay	12	117
Sand, green, and light red clay	8	125
Sand, green, and white clay.	20.5	145.5
Granodiorite	20	165.5

Note: Water at 32.3 feet on July 12, 1924.

K 671. (2 C, 2.5 N., 3.6 W.). Test hole 87, Contract 38. Drilled by Snare & Triest Co. October 1909. Altitude of street 37 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, with a few boulders near top	113.4	113.4
Gneiss	21.6	135

K 672. (2 C, 3.0 N., 1.9 W.). Test hole 27, Contract 214. Drilled by Sprague & Henwood Inc., December 1, 1923. Altitude of street 20 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, brown, and loam.	13	13
Sand, coarse, brown, and gravel.	9	32
Sand, medium coarse, brown, and gravel	34	66
Clay, gray, micaceous sand, quicksand, gravel, and carbonaceous material	14	80
Sand, fine, micaceous, and clay.	14	94
Sand, fine, reddish clay, and carbonaceous material.	3	97
Sand, fine, light greenish, and tan clay	9	106
Sand	13	119
Sand, brown.	7	126
Sand, greenish	14	140
Sand and gravel, greenish.	10.8	150.8
Granodiorite	20	170.8

K 673. (2 C, 3.2 N., 1.8 W.). Test hole 15, Contract 214. Drilled by Sprague & Henwood Inc., November 3, 1923. Altitude of street 14 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, coarse, and loam	13	13
Sand with some loam.	7	20
Sand and gravel.	23	43
Sand, fine, micaceous.	7	50
Sand, fine, and gray clay.	3	53
Sand and clay.	7	60
Sand, gray clay, and carbonaceous material	10	70
Sand and dark gray clay.	15	85
Quicksand, micaceous, and clay	10	95
Sand, fine, light, micaceous	7	102
Sand, coarse, dark	2	104
Sand, fine, and clay	3	107
Sand, coarse, dark	5	112
Sand, fine, light gray, micaceous.	7	119
Sand, tan.	18	137
Sand, fine, gray-brown	23	160
Sand, very fine, greenish.	10	170
Sand	5	175
Sand, coarse . . . . .	.5	175.5
Gneiss and granodiorite.	20	195.5

K 674. (2 C, 2.6 N., 3.0 W.). Borings by Sweeney and Gray, 1910. Record furnished by owner.

	Thickness (feet)	Depth (feet)
<u>Hole No. 1.</u> Altitude about 8 feet above sea level.		
Fill	14	14
Silt and sand.	21	35
Sand, gray	3.5	38.5
Sand, fine, and clay	17.5	56
Sand, fine with some mica.	20	76
Sand, brown.	6.3	82.3
Gravel with some clay.	11.7	94
Boulders, clay, and gravel	35	129
Sand . . . . .	.5	129.5

(Continued on next page)

K 674. (Continued).

	Thickness (feet)	Depth (feet)
<u>Hole No. 2.</u> Altitude about 30 feet below sea level.		
Sand with some mica.	23	23
Clay and sand, water at 32 feet.	5	28
Sand and gravel.	34	62
Clay and gravel.	8	70
Clay, gravel, and sand	17.5	87.5
Sand	4	91.5
Rock		
<u>Hole No. 3.</u> Altitude about 17 feet below sea level.		
Clay, sandy.	41	41
Wood . . . . .	.5	41.5
Sand, coarse	19.5	61.
Sand and gravel.	6	67
Gravel, coarse	12	79
Clay, gravel, and sand	4	83
Rock	1	
<u>Hole No. 4B.</u> Altitude about 21 feet below sea level.		
Sand, fine	36	36
Gravel, coarse, and sand	21	57
Sand, coarse	7.6	64.6
Clay, stiff.	15.1	79.7
Rock		
<u>Hole No. 5.</u> Altitude about 12 feet above sea level.		
Clay	25	25
Sand and clay.	5	30
Sand, fine	7	37
Sand	6	43
Sand, coarse	9	52
Sand and gravel.	4	56
Sand, sharp.	24	80
Clay, stiff, blue.	17	97
Rock		
<u>Hole No. 6.</u> Altitude about 7 feet above sea level.		
Silt	33	33
Sand, fine	18	51
Sand and clay.	14	65
Sand with some mica.	15	80

(Continued on next page)

K 674. (Continued).

Hole No. 6. (Continued).

	Thickness (feet)	Depth (feet)
Sand, gravel, and boulders	23.5	103.5
Sand and clay	8	111.5
Sand, gravel, and boulders	3.5	115
Rock		

Hole No. 7. Altitude about 22 feet below sea level.

Sand	28.7	28.7
Sand with some mica	19.5	48.2
Sand	5.9	54.1
Sand, coarse	10.5	64.6
Clay	6.9	71.5
Rock		

Hole No. 8. Altitude about 28 feet below sea level.

Clay	20.9	20.9
Sand, fine	7.5	28.4
Clay and sand	4	32.4
Sand and gravel	8	40.4
Sand, fine	11	51.4
Gravel	6.9	58.3
Boulders	3.1	61.4
Clay, stiff	7	68.4
Sand, brown	6	74.4
Rock, soft	1	75.4
Rock		

Hole No. 9. Altitude about 8 feet above sea level.

Fill	9	9
Silt and sand	18	27
Sand, fine, gray	5	32
Sand	6	38
Sand, fine, and clay	12	50
Sand, fine, with some mica	48	98
Sand, coarse	15	113
Sand and clay	7	120
Sand and gravel	10.1	130.1
Rock		

K 675. (2 C, 3.6 N., 0.7 W.). Test hole 5, Contract 214. Drilled by Sprague & Henwood Inc., October 19, 1923. Altitude of street 13 feet above sea level. Log begins at street level. Record furnished by owner.

(Continued on next page)

K 675. (Continued).

	Thickness (feet)	Depth (feet)
Filled ground.	10	10
Sand, coarse, and gravel	82.7	92.7
Sand, fine, white, and clay.	7	99.7
Sand, fine, white, traces of clay, one boulder . .	12.3	112
Sand, coarse	18.4	130.4
Sand, fine	30.6	161
Clay, hard	12	173
Sand and clay.	30	203
Gneiss and granodiorite.	19.2	222.2

K 676. (2 C, 1.3 N., 3.6 W.). Test hole 306, Contract 221. Drilled by Osborne Drilling Corp., June 17, 1927. Altitude of street 28 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	155.4	155.4
Gneiss	7.4	162.8

K 677. (2 C, 3.4 N., 1.0 W.). Test hole 2, Contract 214. Drilled by Sprague & Henwood Inc., September 20, 1923. Altitude of street 19 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Fill	3	3
Gravel, coarse - boulder at 16 feet.	19	22
Sand	21	43
Sand, coarse	2	45
Gravel	3.8	48.8
Clay, blue	14.5	63.3
Clay, gray, and sand	24.2	87.5
Clay, gray, and coarse sand.	6.5	94
Sand and clay.	10	104
Carbonaceous material.	3	107
Sand, micaceous.	7	114
Sand, fine, and gray clay.	12	126
Clay, red.	25	151
Clay, reddish gray	16.5	167.5
Clay, hard, cream colored.	27.5	195
Sand, rounded.	0.5	195.5
Gneiss and some granodiorite	19.7	215.2

K 678. (2 C, 3.3 N., 1.4 W.). Test hole 11, Contract 214. Drilled by Sprague & Henwood Inc., October 25, 1923. Altitude of street 39 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand, fine, and loam	10	10
Sand, coarse, light and dark	19.5	29.5
Sand, micaceous, clay, and gravel.	10	39.5
Sand, dark gray, and carbonaceous material	12.5	52
Sand, dark gray, micaceous, and carbonaceous material.	18	70
Quicksand, gray, micaceous, and carbonaceous material.	15	85
Quicksand, gray, micaceous, and light clay	17	102
Quicksand and reddish clay	12	114
Quicksand and light clay	2	116
Quicksand and reddish clay	16	132
Quicksand, micaceous, and dark gray clay	4	136
Quicksand, micaceous, and reddish clay	29	165
Quicksand, micaceous, and dark gray clay	13	178
Quicksand, and reddish clay.	8	186
Sand, fine, red, micaceous, and carbonaceous material.	4	190
Quicksand and reddish clay	6	196
Sand, fine, clear.	3.2	199.2
Sand, coarse, light.	0.7	199.9
Gneiss, decayed.	1.3	201.2
Gneiss and granodiorite.	20	221.2

K 679. (2 C, 3.8 N., 1.3 W.). Test hole 82, Contract 214. Drilled by Sprague & Henwood Inc., June 6, 1924. Altitude of street 35 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Clay, brown.	7.9	7.9
Sand, brown.	11.6	19.5
Sand, brown, and fine gravel	6.8	26.3
Sand, gray, and fine gravel.	50.2	76.5
Sand, brown.	5.5	82
Clay, dark gray.	38.8	120.8
Clay, light red.	11.2	132
Clay, gray	15	147
Sand, gray, and clay	17	164
Clay, light gray	21	185
Clay, light green, containing white mica particles	13	198
Quartzite and granodiorite	5.8	203.8
Gneiss	14.2	218

K 680. (3 B, 5.6 N., 2.0 W.). Drilled by owner. Altitude of street about 5 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Top soil	0	0
Sand, yellow, and gravel	8	8
Sand, brownish, and gravel	8	16
Sand, fine, brown.	9	25
Sand, brown, and gravel.	15	40
Sand, brownish gray, and gravel.	5	45
Sand, gray, and gravel	15	60
Sand, gray, and small gravel	10	70
Sand, fine, gray	5	75
Sand, grayish brown.	5	80
Sand, brown, and gravel.	5	85
Sand, fine, brown.	15	100
Sand, brown, and gravel.	10	110
Sand, fine, gray	18	128
Sand, fine, white.	8	136
Sand, gray, and gravel	12	148
Clay	8	156
Sand, grayish brown, and gravel.	10	166
Sand, brown, and gravel.	8	174
Sand, brown, and gravel.	4	178
Sand, rough, gray, and gravel.	11	189
Sand, gray, and fine gravel.	25	214
Sand, gray, and fine gravel.	2	216
Clay	4	220
Sand, gray, and gravel	14	234
Sand, rough, gray.	55	289
Clay	11	300
Clay	113	413
Sand, fine, white.	17	430
Clay	4	434

K 682. (2 C, 4.6 N., 2.3 W.). Altitude of street about 10 feet above sea level. Log begins at street level. Record collected by W. O. Crosby.

	Thickness (feet)	Depth (feet)
Sand and gravel.	53	53
Bedrock.		53

K 684. (2 C, 2.5 N., 4.1 W.). Test hole. Altitude of street 5 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand	32	32
Clay	19	51
Sand	52	103
Rock	1	104

K 685. (2 C, 2.6 N., 3.7 W.). Test hole 1, drawing 12. Altitude of street 7 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand	30	30
Sand, fine	6	36
Sand and boulders	13	49
Sand, coarse	8	57
Sand, fine	8	65
Sand, coarse	15	80
Rock or boulders	11	91

K 686. (2 C, 3.1 N., 2.8 W.). Test hole, bulkhead line between Broadway and South 6th St. Drilled by New York Submarine Contracting Co. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water	15	15
Sand and coal drift	15	30
Sand, fine, gray	25	55
Sand, fine, yellow	5	60
Sand and gravel	12	72
Pebbles	3	75
Sand, white, and clay	60	135
Sand, grayish white	5	140
Sand, white, and clay	6	146
Rock or boulder		

K 687. (2 C, 2.6 N., 2.4 W.). Test hole 335, Contract 221. Drilled by Osborne Drilling Corp., July 23, 1927. Altitude of street about 46 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel.	174.7	174.7
Rock, decayed.	1	175.7
Granodiorite	24.6	200.3

K 688. (2 C, 3.8 N., 2.5 W.). Test hole. Pierhead line, foot of North 7th St. Drilled by Artesian Well & Equipment Co. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water.	60	60
River mud.	5	65
Sand, gravel, and clay	10	75
Sand, fine	10	85
Gravel and clay.	10	95
Sand and clay.	12	107
Rock, unweathered.	4	111

K 689. (2 C, 4.0 N., 1.0 W.). Test hole. Drilled by Osborne Drilling Corp. Altitude of street 31 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay and sand.	35	35
Sand, fine, gray	10	45
Sand, medium, gray	30	75
Clay, gray, and sand	20	95
Sand, fine, gray	10	105
Sand, medium, gray	10	115
Sand, coarse, gray	5	120
Clay, light gray, sand, and boulders	10	130
Sand, gray, and boulders	10	140
Rock, decayed.	2	142
Granodiorite	18	160

K 690. (2 C, 3.5 N., 1.6 W.). Test hole 313, Contract 221. Drilled by Osborne Drilling Corp., May 25, 1927. Altitude of street 12 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Filled ground.	15.5	15.5
Sand, gray	157.2	172.7
Rock, decayed.	1.6	174.3
Granodiorite	19.5	193.8

K 691. (2 C, 3.4 N., 1.7 W.). Test hole 314a, Contract 221. Drilled by Osborne Drilling Corp., June 14, 1927. Altitude of street 20 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and clay, boulders at 36 feet	141.7	141.7
Rock, decayed.	25.6	167.3
Granodiorite	19.2	186.5

K 692. (2 C, 4.7 N., 1.5 W.). Test hole. Altitude of street 3 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Ashes.	7	7
Silt	22	29
Sand, fine, gray	13	42
Clay, blue	30	72
Sand, coarse, and gravel	13	85
Rock		

K 693. (1 B, 2.3 N., 1.8 W.). Narrows Tunnel Test hole. Drilled by Giles. Altitude of street 62 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
No record.	21	21
Clay and gravel.	15	36
No record.	28	64

K 693. (Continued)

	Thickness (feet)	Depth (feet)
Gravel, water-bearing.	1	65
No record.	16	81
Sand and clay.	13	94
No record.	11	105

K 694. (2 C, 1.3 N., 3.7 W.). Test hole 381, Contract 221. Drilled by Osborne Drilling Corp., January 7, 1928. Altitude of street 16 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Fill	21.4	21.4
Sand, coarse, and gravel	13.3	34.7
Sand, fine	68.9	103.6
Gneiss	3	106.6

K 695. (1 B, 4.4 N., 1.4 W.). Test hole 3, drawing 22. In slip west of 58th St. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water.	15	15
Silt and sand.	5	20
Sand, brown.	10	30
Sand, brown, and gravel.	5	35
Sand, fine, white.	6	41
Gravel, fine		

K 696. (2 B, 5.6 N., 3.2 W.). Test hole. Drilled by Osborne Drilling Corp. Altitude of street about 140 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay	4	4
Clay and boulders.	8	12
Sand, coarse	3	15
Gravel	8	23
Sand, coarse	13	36
Gravel	32	68
Sand, coarse	35	103

K 697. (2 C, 0.2 N., 2.6 W.). Test hole about 1490 feet south of Grand Army Plaza. Altitude of street 143 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, fine, and loam	5	5
Sand, clay, and gravel	5	10
Sand and gravel.	5	15
Sand, fine, and gravel	10	25
Sand, coarse, and boulders	5	30
Sand and gravel.	5	35
Sand, fine, and clay	5	40
Sand and gravel.	5	45
Sand, fine, and clay	5	50
Sand, clay and gravel.	5	55
Sand and gravel.	5	60
Sand, fine	5	65
Sand and gravel.	10	75
Sand, fine, and gravel	5	80
Sand, fine, and boulders	5	85
Sand and gravel.	10	95

K 698. (1 B, 5.3 N., 0.5 W.). Test hole. In slip west of Marginal St. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water.	21	21
Silt	4	25
Sand, fine, gray	7	32
Clay, gray, with fine gray sand.	8	40
Clay, gray, soft	7	47
Sand, coarse, gray	8	55
Sand, fine, light brown.	8	63
Sand, fine, brown.	9	72
Sand, coarse, clay, and gravel	1	73
Clay, light brown.	6	79
Clay, gray	6	85
Sand, fine, brown.	5	90
Clay, stiff, brownish.	10	100

K 699. (1 B, 3.4 N., 1.3 W.). Drilled by Harper. Altitude of street about 55 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

K 699. (Continued)

	Thickness (feet)	Depth (feet)
Sand, dry.	19	19
Sand, gravel, and boulders; many boulders.	90	109
Gravel, coarse, water-bearing.	28	137
Sand, with traces of clay.	4	141
Clay, blue		

K 700. (1 C, 0.6 N., 0.2 W.). Test hole 47, Shaft 9, No. 11. 43 feet west of Henry St., 49 feet south of Mill St. Drilled by Gow. Altitude of street 6 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand and cinder fill	10	10
Cinder fill.	3	13
Clay, soft, blue, and peat	4	17
Sand, fine, gray, very little clay	14	31
Clay, sandy, soft, fine, gray.	4	35
Sand, fine, brown.	5	40
Sand, coarse, brown, and gravel.	17	57
Clay, soft brown	43	100
Sand, micaceous, fine, brown	5	105
Sand, medium brown, and gravel	5	110
Sand, coarse, brown, and gravel.	4	114
Sand, very coarse, disintegrated rock.	2	116
Boulders and disintegrated rock.	11	127
Gneiss		

K 701. (1 C, 0.1 N., 0.4 W.). Test hole, 425 feet south of Bryant St. 150 feet west of Henry St. slip. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water.	8	8
Silt and mud	11	19
Silt and fine gray sand.	6	25
Sand, fine, brown, and clay.	7	32
Sand, and clay, brown.	4	36
Gravel and clay.	7	43
Sand and clay, gray.	4	47

(Continued on next page)

K 701. (Continued).

	Thickness (feet)	Depth (feet)
Sand, coarse, gray	3	50
Clay, gray	8	58
Clay, red and gray	6	64
Clay, gray	19	83

K 702. (2 C, 1.1 N., 4.0 W.). Test hole 308, Contract 221. Drilled by Osborne Drilling Corp., May 3, 1927. Altitude of street 31 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and clay.	40.5	40.5
Sand, fine	29.6	70.1
Sand, coarse	21.9	92
Sand, coarse, and small gravel	24.3	116.3
Gneiss	20	136.3

K 703. (1 C, 0.8 N., 0.2 W.). Test hole 93, Contract 214. Drilled by Sprague & Henwood, Inc., June 18, 1924. Altitude of street about 18 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and clay.	50	50
Sand and some clay	15	65
Sand and trace of clay	30	95
Sand	21	116
Boulders and gravel.	5	121
Gneiss	20.2	141.2

K 704. (1 C, 0.6 N., 0.4 W.). Test hole, 59 feet south of Pioneer St., 121 feet east of Dwight St. Drilled by Gow. Altitude of street 7 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

(Continued on next page)

K 704. (Continued).

	Thickness (feet)	Depth (feet)
Sand and cinder fill	14	14
Peat	4	18
Sand, fine, gray	7	25
Sand, fine, gray, little clay.	22	47
Sand and gravel, brown	5	52
Sand, coarse, brown, and gravel.	6	58
Clay, soft, brown.	15	73
Clay, soft, gray	5	78
Clay, sandy, soft, micaceous	5	83
Clay, soft, brown.	10	93
Clay, soft, gray	25	118
Sand, fine, micaceous.	10	128
Sand and clay, decomposed, micaceous	2	130

K 705. (1 C, 0.8 N., 0.8 W.). Test hole, 45 feet west of Dikeman St., 100 feet north of Ferris St. Altitude of street about 10 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Cinder fill.	4	4
Clay, red.	8	12
Sand, fine, gray	20	32
Sand, very fine, gray, and clay.	28	60
Sand, very fine, gray, micaceous	20	80
Sand, fine, red.	9	89
Sand, dark gray, micaceous	6	95
Sand, fine to medium, gray, and boulders	27	122
Rock, disintegrated, containing mica and sand.	9	131
Rock, gray, containing seams of mica	20	151

K 706. (2 C, 1.5 N., 2.8 W.). Test hole, drawing 132. Altitude of street 86 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, filled ground, gravel.	10	10
Sand, fine	5	15
Sand	5	20
Sand, coarse, and gravel	5	25
Clay and sand.	5	30
Clay and gravel.	10	40

K 707. (2 C, 1.4 N., 2.0 W.). Test hole. Altitude of street 56 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, fine	15	15
Sand and gravel	35	50

K 708. (1 C, 1.7 N., 0.0 W.). Test hole, East River and Atlantic Ave. Altitude of street 6 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand	30	30
Clay	10	40
Gravel	48	88
Gneiss, micaceous	32	120

K 709. (2 C, 2.3 N., 3.6 W.). Test hole 58, Contract 38. Drilled by Snare & Triest Co., in October 1909. Altitude of street 58 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	10	10
Clay, sand, and boulders	15	25
Sand and boulders	22	47
Sand	71.5	118.5
Gneiss	20.5	139

K 710. (2 C, 4.6 N., 2.0 W.). Test hole B9, file 64. Drilled by Standard. Altitude of street 13 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, medium	16	16
Clay and sand	4	20
Sand, medium	5	25

(Continued on next page)

K 710. (Continued).

	Thickness (feet)	Depth (feet)
Sand, medium, and boulders	5	30
Clay, sand, and pebbles	11	41
Rock, decomposed	3	44
Rock	10	54

K 711. (2 C, 4.5 N., 1.3 W.). Test hole, drawing 54. Greenpoint Ave. and Newtown Creek. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water	16	16
Silt	5	21
Sand, gray, and gravel	5	26
Clay	21	47
Sand and gravel	4	51
Sand, coarse	1	52
Sand, fine, red	4	56
Sand, fine, red, and gravel	6	62
Sand, fine, red	2	64
Sand and gravel, red	5	69
Sand, gray	2	71
Clay, stiff, and gravel	3	74
Rock or boulder		

K 712. (1 B, 2.4 N., 1.7 W.). Narrows Tunnel test hole. Drilled by Giles. Altitude of street 72 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
No record	23	23
Sand, clay, gravel, and boulders	15	38
No record	30	68
Gravel, water-bearing	1	69

K 713. (2 C, 4.9 N., 1.8 W.). Test hole 32, vol. 3, drawing 50. Drilled by Osborne Drilling Corp. Altitude of street 6 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

K 713. (Continued).

	Thickness (feet)	Depth (feet)
Fill	10	10
Silt	10	20
Sand, coarse	5	25
Sand	7	32
Clay	20	52

K 714. (2 C, 0.3 N., 4.3 W.). Test hole 1, drawing 411, P & S.
5 feet north of Hamilton Ave., 30 feet east of west Bulkhead line of Gowanus Canal. Drilled by Riley. Log begins at river level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Water	15	15
Silt and Sand	5	20
Sand, medium, gray	17	37
Clay, gray	8	45
Sand, fine, gray, little clay	12	57
Sand, medium, gray	10	67
Sand, medium, brown	14	81
Sand, coarse, brown	4	85
Sand, fine, gray	5	90
Sand, medium, gray	10	100

K 715. (2 C, 2.9 N., 1.5 W.). Test hole 41 A, Public School No. 49.
Altitude of street 36 feet above sea level. Log begins at street level.
Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Fill	4	4
Sand, coarse, brown	17	21
Sand, and gravel	7	28
Clay, soft, blue	10	38
Clay and boulders	1	39
Clay, soft, blue	19	58
Clay, soft, blue, and bog	27	85
Clay, soft, blue	25	110
Clay and sand	10	120

K 716. (2 C, 2.3 N., 4.1 W.). Test hole 3172. Drilled by Sweeney & Gray in 1926. Altitude of street 67 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Clay and sand.	9	9
Clay	11	20
Sand and gravel.	7	27
Sand, coarse, and gravel	6	33
Boulders	2	35
Sand, coarse, and gravel	3	38
Sand and gravel.	6	44
Sand, coarse, and gravel	3	47
Sand and gravel.	27	74
Sand, fine	54	128

K 717. (2 C, 2.8 N., 2.0 W.). Test hole. Drilled by Boyd Engineering Co., in 1908. Altitude of street about 45 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Filled ground.	33	33
Clay, red.	28	61
Hardpan.	27	88
Sand	54	142
Clay, blue	8	150
Sand	36	186
Granite.	16	202

K 718. (1 B, 2.7 N., 1.2 W.). Test hole KL-6. Drilled by Giles. Altitude of street 80 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand, clay, and gravel	10	10
Sand and gravel.	10	20
Sand, clay, and gravel	12	32
Sand, coarse gravel, and boulders.	9	41
No record.	335	376
Rock, according to driller	59	435

K 719. (1 B, 4.4 N., 0.1 W.). Test hole 3402. Altitude of street 130 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand and clay.	10	10
Sand, gravel, and clay	2	12
Sand, fine	8	20
Gravel	2	22
Sand, fine, and gravel	12	34
Gravel	2	36
Sand, coarse, and gravel	7	43
Gravel	2	45
Gravel and coarse sand	15	60
Sand, fine	2	62
Sand, coarse	7	69
Sand, fine	16	85
Sand and gravel.	1	86
Clay and boulders.	3	89

K 720. (1 C, 0.5 N., 0.1 W.). Test hole 61, Shaft 9, No. 16. Drilled by Gow. Altitude of street 13 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Sand and cinder fill	21	21
Clay and peat.	4	25
Peat	5	30
Peat and sandy clay.	3	33
Sand, fine	14	47
Sand, medium	5	52
Sand, coarse, and gravel	16	68
Clay, sandy, soft.	23	91
Sand, fine, and clay	5	96
Clay, sandy, hard.	7	103

K 721. (2 C, 0.9 N., 3.5 W.). Test hole, file No. 16, p. 28. Altitude of street 18 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

(Continued on next page)

K 721. (Continued).

	Thickness (feet)	Depth (feet)
Fill	30	30
Clay, muddy.	5	35
Clay, blue	5	40
Clay and sand.	5	45
Sand and gravel.	22	67
Sand	18	85

K 722. (2 C, 2.3 N., 4.1 W.). Test hole. Drilled by Osborne Drilling Corp. Altitude of street 60 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Fill	12	12
Gravel	23	35
Gravel and boulders.	11	46
Sand, fine	57	103

K 723. (2 C, 2.3 N., 3.7 W.). Test hole. Drilled by Sprague & Henwood Inc. Altitude of street 57 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Fill, coarse sand, and gravel.	22	22
Sand, gravel, and boulders	23	45
Sand, red.	25	70
Sand, reddish-brown.	19	89
Sand, fine, brown, water-bearing	6	95
Sand, coarse, and gravel	10	105
Sand, fine	24	129
Rock	12	141

K 724. (2 C, 3.0 N., 1.3 W.). Test hole 29, block 2796. Altitude of street 48 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

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K 724. (Continued).

	Thickness (feet)	Depth (feet)
Loam, sand, and fill	5	5
Sand and gravel.	11	16
Sand, gravel, and clay	5	21
Sand, medium, and gravel	9	30
Clay, hard, blue	11	41
Clay, soft, blue	25	66
Sand, dry, micaceous, and clay	20	86
Clay, blue	7	93
Sand, coarse, and clay	2	95
Clay, hard, blue	6	101
Sand, micaceous, and clay.	20	121
Clay, blue	6	127
Sand, dry, micaceous, and clay	10	137

K 725. (2 C, 1.2 N., 3.7 W.). Test hole 307, Contract 221. Drilled by Osborne Drilling Corp., May 2, 1927. Altitude of street 14 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and some clay	45.1	45.1
Sand and fine gravel	35.9	81
Sand and blue clay	12.6	93.6
Gneiss	21.2	114.8

K 726. (1 B, 4.7 N., 0.3 W.). Test hole. Altitude of street 35 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Topsoil, clay, sand, and gravel.	1	1
Sand and clay.	9	10
Sand and gravel.	3	13
Hardpan.	5	18
Sand	17	35
Sand and gravel.	10	45

K 727. (1 B, 5.0 N., 0.1 W.). Test hole. Altitude of street 20 feet above sea level. Log begins at street level. Record collected by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Topsoil, sand, and gravel.	3	3
Clay and gravel.	8	11
Sand and clay.	6	17
Sand and boulders.	6	23
Sand	6	29

K 728. (2 C, 2.1 N., 3.6 W.). Test hole 209, Contract 73. Drilled in January 1910. Altitude of street 36 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Fill	5	5
Sand	111.7	116.7
Gneiss	15	131.7

K 729. (2 C, 2.0 N., 3.0 W.). Test hole 378a, Contract 221. Drilled by Osborne Drilling Corp., January 19, 1928. Altitude of street 45 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	10	10
Sand and gravel.	26.3	36.3
Sand	99.2	135.5
Sand and clay, with particles of mica.	17.5	153
Gneiss	22.2	175.2

K 730. (2 C, 1.9 N., 3.5 W.). Test hole 49, Contract 38. Drilled by Snare and Triest Co., July 1909. Altitude of street 36 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand	10	10
Gravel and sand.	10	20
Sand	84.1	104.1
Gneiss	30.2	134.3

K 731. (2 C, 1.3 N., 3.6 W.). Test hole 357c, Contract 221. Drilled by Osborne Drilling Corp., October 6, 1927. Altitude of street 23 feet above sea level. Log begins at street level. Record furnished by owner.

	Thickness (feet)	Depth (feet)
Sand and gravel.	183.5	183.5
Rock, decayed.	6.5	190
Gneiss	20	210

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in progressive order along that street).

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K 35

K 93

K 269

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K 318

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K 6

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K 329

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K 150	<u>West 21st St.</u>	K 166	K 576
K 619	K 1	K 170	
	K 177	K 171	<u>5th Ave.</u>
<u>Varet St.</u>		K 439	K 657
K 63	<u>West 23d St.</u>	K 695	K 124
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K 573		<u>2d Ave.</u>	K 251
	<u>White St.</u>	K 638	K 316
<u>Varick St.</u>	K 179	K 164	K 584
K 689	K 180	K 165	K 319
K 59	K 181	K 344	K 576
K 460	K 182	K 469	
		K 169	<u>5th St.</u>
<u>Walworth St.</u>	<u>Willoughby Ave.</u>		K 646
K 95	K 102	<u>2d Pl.</u>	
	K 84	K 669	<u>6th Ave.</u>
<u>Warren St.</u>	K 92		K 20
K 725		<u>2d St.</u>	K 719
	<u>Willoughby St.</u>	K 345	K 172
<u>Washington Ave.</u>	K 309	K 653	K 718
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	<u>Willow St.</u>	<u>3d Ave.</u>	<u>6th St.</u>
<u>Washington St.</u>	K 274	K 120	K 645
K 662		K 122	K 648
K 72	<u>Wilson Ave.</u>	K 721	
K 108	K 593	K 123	<u>7th Ave.</u>
	K 85	K 653	K 3
<u>Water St.</u>	K 88	K 651	K 541
K 684		K 645	
K 444	<u>Wortman Ave.</u>	K 639	<u>7th St.</u>
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<u>Waverly Ave.</u>		K 163	<u>8th Ave.</u>
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	K 694	K 10	<u>8th St.</u>
<u>West 9th St.</u>		K 651	K 638
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K 639		K 328
<u>14th Ave.</u>	<u>46th St.</u>	<u>92d St.</u>
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<u>18th Ave.</u>	<u>55th St.</u>	
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Acme Baths	K 199	Bakers Exchange	K 459
Acme Ice Cream Co.	K 433	Balch Price & Co.	K 11
Addie Co.	K 325	Baldinger, Louis & Sons, Inc.	K 434
Agash Refining Corp.	K 469	Batterman, H.	K 62
Alba Theater	K 336	Bay Ridge Dock Co., Inc.	K 439
Albee Theater, R.K.O.	K 260	Beach Association	K 220
Allied Dairy	K 28	do.	K 222
Ambassador Theater	K 327	Beecham	K 99
American Can Co.	K 344	Bedford Theater, Loews	K 31
American Molasses Co. of N.Y.	K 159	Bedford Branch Y.M.C.A.	K 96
American Sugar Refining Co.	K 458	Bee Hive Hygeia	K 38
American Tobacco Co.	K 30	Bender, B.	K 55
Arabel Mfg. Co.	K 279	Benson Theater	K 328
Atkinson & Co.	K 278	Berkshire Theater	K 244
Atlantic Ice Co.	K 39	Bischoff, F., Co.	K 74
Atlantic Storage Ware- housing Corp.	K 586	Blumberg, D., & Son	K 190
Atlantic Yeast Corp.	K 459	Blythebourne Water Co.	K 541
Astor Theater	K 246	Bohack, H.C., Co., Inc.	K 89
Avenue D Theater	K 300	Bommer Spring Hinge Co.	K 84
Avenue P Operating Co.	K 174	Bonomo Ice Cream Co.	K 433
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		do.	K 104

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Boro Park Baths	K 197	Cameron Machine Co.	K 112
Boro Park Theater, Lowes	K 285	Campbell Milk & Cream	K 104
Boweyes, Inc.	K 278	Canarsie Pumping Station	K 537
Brass Goods Mfg. Co.	K 44	Canarsie Theater	K 247
Breslin Lumber Co.	K 464	Carbondale N. Y. Co.	K 189
Brighton Tower	K 218	Carroll Theater	K 329
Bristol Myers	K 98	Carstons & Canniker	K 459
Broadway Theater, Lowes	K 255	Cascade Laundry	K 235
Brooklyn Boro Gas Co.	K 450	Cato Milk Co.	K 147
Brooklyn Daily Eagle	K 108	Cavanagh, J., Corp.	K 53
Brooklyn Rapid Transit Co.	K 651	Do.	K 73
Do.	K 653	Do.	K 185
Brooklyn Union Gas Co.	K 435	Central Branch, Y.M.C.A.	K 105
Bunting Realty	K 224	Central Ice Co., Inc.	K 299
Bush Terminal Co.	K 160	Chandler Oil Cloth & Buckram	K 163
Do.	K 161	Chardarogne, H.S. Dairy	K 345
Do.	K 163	Chioffetz & Greenberg	K 263
Do.	K 164	Clark Henry Corp.	K 110
Do.	K 170	Commodore Theater	K 331
Bushwick Theater	K 254	Commonwealth Chemical Co.	K 121
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Butler Bros.	K 457	Congress Brewery	K 426

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Conron Bros.	K 125	Eakins, J. S., & W. R.	K 463
Continental Container Corp.	K 594	Eastern Brewing Co.	K 37
Crescent Athletic Club	K 109	Eastern Farm Products Co., Inc.	K 465
Crescent Farms, Inc.	K 143	Eastern N. Y. Marble Co.	K 552
Cypress Hills Swimming Pool, Inc.	K 139	Ebling Brewing Co.	K 10
Dairy Products of N. Y.	K 465	Ehret, G., Brewery Inc.	K 42
Dangler & Co.	K 95	Eisenberg Farms, Inc.	K 153
Dangler-Kruss Corp.	K 95	Elbee Chocolate Co., Inc.	K 183
Darby Development Co.	K 217	Electro-Neon Sign Co.	K 454
Davis, D. I.	K 113	Elke Chocolate Co.	K 183
Day, J. P.	K 342	Elks Club	K 115
Debevoise,	K 106	Empire Candle Works, Inc.	K 639
De Haven Plant	K 472	Empire City Brewing Co., Inc.	K 583
Delia Waste Products Corp.	K 253	Empire Malt Corp.	K 345
Desbrook Coal & Ice	K 4	Empire State Dairy	K 137
Diana Candy Co.	K 86	Endicott Theater	K 636
Diamond Candle Co.	K 266	Enterprise Theater	K 575
Dime Savings Bank	K 184	Equity Marble Co.	K 552
Diogenes Brewery	K 36	Eskimo Pie of New York	K 13
Doehler Dye Casting Co.	K 158	Euclid Candy Co.	K 264
Dressler, Geo., Co.	K 27	Do.	K 403
Dyer Supply Co.	K 169	Evans, W.M., Dairy Co., Inc.	K 141
Dyker Theater	K 319	Evans, William	K 97
		Excelsior Brewery	K 93

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Exlax, Inc.	K 118	Gerritsen Beach	K 371
Fanny Farmer Candy Shops, Inc.	K 98	Gerst, D.	K 224
Farragut Pool, Inc.	K 194	Giorgio Ice Corp.	K 189
Feltman Restaurant	K 176	Glendale Consumers Ice	K 406
Ferndale Farms, Inc.	K 135	Glenwood Theater	K 581
Fisher Bros.	K 47	Goebel, A., & Sons	K 60
Flagg Court	K 173	Goldstein	K 219
Flatbush Hygeia Ice Co.	K 232	Gotham Packing Co.	K 181
Flatbush Theater	K 325	Gravesend Pumping Station	K 535
Force, William, Co.	K 140	Great Laundry Co.	K 154
Fort Green Garage	K 19	Greenfield, E., Candy Co.	K 29
Ft. Greene Refrigerating Service, Inc.	K 125	Greenpoint Properties, Inc.	K 214
Fortway Theater	K 308	Grossman Shoe Co.	K 103
Fox Theater	K 17	Grozinger, Chris.	K 85
Franklin Brewery	K 26	Guardino Ice Cream Co.	K 94
Friedland	K 215	Gutta Percha Rubber Co.	K 27
Fulton Playhouse	K 257	Hall St. Cold Storage Co.	K 81
Gair, Robert, Corp.	K 72	Hanan & Son, Inc.	K 71
Garden Association	K 206	Harbor Theater	K 576
Gardine Lucas	K 264	Haskel & Sons	K 460
Gates Theater, Loews	K 90	Heinlein Stone Co.	K 123
Gelbing Candle	K 454	Hepp, L.	K 584
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		Hoffman Restaurant	K 335
		Holland Farms, Inc.	K 553

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Do.	K 300	Kenmoss Realty Co.	K 229
Horace Cafe & Restaurant	K 298	Kennedy, David E., Inc.	K 638
Horn & Hardart Co.	K 309	Kenyon Co.	K 439
Hotel Margaret	K 388	Kelly & Snyder	K 79
Hotel St. George	K 110	Kiefer, Joseph, Inc.	K 497
Hotel Towers	K 274	Kilokow	K 227
Howard & Fuller Brewing Co.	K 14	Kings Brewery, Inc.	K 93
Hubbard Realty Co.	K 213	Kings County Gas Co.	K 171
Huber, J. M., Inc.	K 172	Kings County Ice & Fuel Co.	K 619
Humzyuski	K 208	Kings County Refrigerating Co.	K 82
Hygrade Food Products Corp.	K 85	Kings Theater, Loews	K 6
Ice Mfg. Co.	K 461	Kingsway Theater	K 295
Ideal Toy & Novelty Co.	K 240	Kirkman Soap Co.	K 14
Independent Candy Co.,	K 59	Kirsch, H. & Co.	K 592
Independent Halvah	K 59	Kishner	K 209
India Wharf Brewery	K 233	Kismet Theater	K 249
Interboro. Beverage	K 42	Knickerbocker Ice Co.	K 149
International Provision Co.	K 114	Do,	K 196
Joe's Restaurant	K 271	Do.	K 198
Do.	K 277	Do.	K 200
Jones Bros.	K 265	Do.	K 202
Jones Bros. Tea Co.	K 265	Do.	K 204
		Do.	K 231

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Do.	K 557	Marcy Ave. Y. M. C. A.	K 67
Knox Hats	K 129	Margaret Hotel	K 388
Kornblum, Meyer	K 182	Marine Theater	K 304
Kroder Reubel Co., Inc.	K 555	Mason, Au, & Magenheimer	K 111
Lakeland Properties	K 223	Mason's Candy Co.	K 111
Lehman, C., Packing Co.	K 179	May's Department Store	K 259
Leverick Towers	K 274	May's Furs & Ready-to-Wear	K 259
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Liebman Brewery	K 36	McGratty & Sons	K 122
Linden Farms Milk & Cream Co., Inc.	K 248	McGratty Stone Works	K 122
Lipoff	K 228	McKesson & Robbins	K 463
Loeser, Fredrick & Co.	K 117	Meadow Gold Products Corp.	K 28
Long Island Railroad	K 708	Melba Theater, Loews	K 290
Lorimer Realty Corp.	K 29	Meltzer & Son	K 150
Lotz Cleaners	K 133	Mergenthaler Linotype Co.	K 83
Lubinson, S.	K 192	Mergenthaler-Tritzler	K 83
Ludwig, A., Co.	K 65	Mermaid Construction Co.	K 347
Mac Levy, M.	K 199	Metro Chocolate Co.	K 106
Malcolm Brewing Co.	K 26	Metropolitan Theater, Loews	K 261
Maltine Co.	K 8	Michel Brewery	K 10
Manhattan Beach Baths	K 205	Michel Ice Co.	K 1
Mantel, J., Dairy	K 143	Millbak Trucking Supply Co.	K 577
		Mill Basin Asphalt Corp.	K 577

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Mollenhauer Sugar Refin- ing Co.	K 458	Do.	K 696
Montel Realty Co.	K 221	Do.	K 697
Monti-Van Iderstine, Inc.	K 76	Do.	K 706
Montrose Corp.	K 165	Do.	K 707
Morrell, John & Co.	K 48	Do.	K 710
Murcott & Campbell	K 462	Do.	K 712
Nagle, M. H., Inc.	K 182	Do.	K 713
Namm Store	K 276	Do.	K 716
National Candle Co.	K 56	Do.	K 718
National Lead Co.	K 69	Do.	K 719
Do.	K 464	Do.	K 722
National Licorice Co.	K 70	Do.	K 723
National Meter Co.	K 166	Do.	K 726
Navy Branch Y. M. C. A.	K 75	Do.	K 727
Navy Department	K 674	New York, City of, Board of Water Supply	K 654
Neptune Consumers Ice Co.	K 461	Do.	K 655
Nevins, Inc.	K 277	Do.	K 656
New Bath Co., Inc.	K 353	Do.	K 657
New Lots Pumping Station	K 538	Do.	K 658
Newmark, P. B.	K 68	Do.	K 661
New York Butchers Assn.	K 15	Do.	K 663
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Do.	K 667	Do.	K 731
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Do.	K 669	Do.	K 684
Do.	K 670	New York, City of, Depart- ment of Docks	K 686
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Do.	K 672	Do.	K 692
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Do.	K 690	Do.	K 538
Do.	K 691	Do.	K 543
Do.	K 694	Do.	K 643
Do.	K 702	Do.	K 644
Do.	K 703	Do.	K 645
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Do.	K 689	Do.	K 512
New York Dairy Products	K 465	Do.	K 513
New York Distillers Corp.	K 585	Do.	K 514
New York Eskimo Pie Corp.	K 13	Do.	K 515
New York Housing Assn.	K 700	Do.	K 516
Do.	K 701	Do.	K 517
Do.	K 704	Do.	K 518
Do.	K 714	Do.	K 519
Do.	K 720	Do.	K 520
New York Housing Authority	K 724	Do.	K 521
New York Quinine & Chemical Works	K 49	Do.	K 522
New York Veal & Mutton Co.	K 51	Do.	K 523
New York Water Service Corp.	K 500	Do.	K 524
Do.	K 501	Do.	K 525
Do.	K 502	Do.	K 526
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North American Brewing Co.	K 88	Prospect Theater	K 252
Norwood Bros.	K 91	Provincial Distillery, Ltd., Inc.	K 236
Novia Candy Co.	K 86	Prudent Management Corp.	K 499
Obermeyer-Liebman	K 36	Purity Bakeries	K 132
Oceania Theater	K 210	Putnam Coal & Ice	K 21
Old Dutch Brewers, Inc.	K 557	Quebracho Extract Co.	K 682
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Ort & Co., Inc.	K 87		
Paramount Ice Co.	K 24	Randall, William, & Son, Inc.	K 78
Paramount Theater	K 16	Rapsil Construction Co.	K 499
Park Theater	K 251	Do.	K 199
Parkway Cafeteria	K 578	Reid Ice Cream Co.	K 23
Pathe Freres	K 83	Reliance Beef Co.	K 488
Pathe Phonograph	K 83	Renken Dairy Co.	K 101
Patio Theater	K 301	Rex Ice Co.	K 193
Peoples Hygeia Ice	K 406	Rheingold Brewery	K 36
Pfizer Chemical Co.	K 64	Rigney & Co.	K 487
Phoenix Hermatic	K 234	Ritz Theater	K 245
Phoenix Metal Cap Co., Inc.	K 234	Roberts Numbering Machine Co.	K 138
Piel Bros.	K 136	Rockwood Chocolate Co.	K 80
Pierpont Restaurant Corp.	K 271	Rogers Theater	K 323
Pitkin Theater, Loews	K 43	Rohman Bode	K 239

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Royal Baking Powder Co.	K 9	Sachs Dairy	K 553
Rubel Ice Corp.	K 1	Sachtl Ice Cream Co.	K 28
Do.	K 2	Sacks Dairy	K 553
Do.	K 3	Safety Night Light Co.	K 37
Do.	K 4	St. George Hotel	K 110
Do.	K 7	St. John's University	K 92
Do.	K 10	Saltser & Weinsier, Inc.	K 573
Do.	K 21	Sanders, R., Theater	K 155
Do.	K 32	Sands St. Y.M.C.A.	K 75
Do.	K 33	Savoy Theater	K 130
Do.	K 35	Scandore Paper Box Co.	K 594
Do.	K 38	Schaefer, F. & M. Brewing Co.	K 275
Do.	K 39	Schaefer, Jerry & George	K 583
Do.	K 41	Schnell Russian Baths	K 192
Do.	K 46	Schnibbe, Richard, & Co.	K 52
Do.	K 58	Schnieder, G.	K 593
Do.	K 148	Schrader, A., Valve Co.	K 22
Do.	K 151	Schrafft Candy Co.	K 79
Do.	K 195	Schumers Baths	K 134
Do.	K 232	Seitz Brewery	K 57
Do.	K 233	Serota Ice Co., Inc.	K 303
Do.	K 406	Shapiro & Aaronson	K 428
Rusch, Henry	K 141		

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Sheffield Farms Co., Inc.	K 127	Ten Eyck Theater	K 637
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Sheffield Ice Cream Co.	K 25	Tischman-Goodman	K 216
Shrader Valve Co.	K 22	Tittlebaum Baths	K 61
Shultze Beverage Co.	K 50	Tivoli Theater	K 340
Silvers Baths	K 178	Towers Hotel	K 274
Sklar, J. Holding Co.	K 466	Townler, Hugo	K 99
Socony Vacuum Oil Co., Inc.	K 579	Trans Lux Theater	K 246
Sperry Gyroscope Co., Inc.	K 12	Do.	K 257
Spitzer Realty	K 212	Traymore Theater	K 201
Splendid Laundry Service Co.	K 237	Triangle Theater	K 341
Squibb, E. R., & Sons	K 113	Trommer, J. F.	K 45
Do.	K 472	Troy Laundry	K 235
Standard Oil Co.	K 579	Tuttlebaum Baths	K 61
Stanley Theater	K 316	Up-to-date Silk & Yarn Dyeing Co.	K 464
State Theater	K 256	U. S. Naval Supply Depot	K 160
Steel & Tubes, Inc.	K 602	U. S. Navy Department	K 674
Stevens Milk Co.	K 120	Van Iderstine Co.	K 76
Sumner Theater	K 269	Veal & Mutton Co., N. Y.	K 51
Supreme Coal & Ice Corp.	K 443	Vitagraph Corp.	K 5
Sweeney Mfg. Co.	K 444	W. P. & L. Realty Corp.	K 226
Swift & Co.	K 51	Waldorf Theater	K 600
T. G. & T. Co.	K 426	Walker Theater	K 311
Tagliabue, C. J., Mfg. Co.	K 30	Wallace & Co.	K 79
Tarter Chemical Co.	K 9		

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Wards Baths	K 230	Do.	K 75
Warner Bros. Pictures, Inc.	K 5	Do.	K 96
Washington Baths, Inc.	K 177	Do.	K 105
Weeds Ice Cream Co.	K 586	Y. W. C. A.	K 119
Wehman, J.	K 175	York Farms, Inc.	K 146
Weinberger, Moe	K 323	Yukon Ice Cream Co.	K 250
Weis Stone Co.	K 590		
Weiss, Joseph, Inc.	K 590		
Wheeler, G. B.	K 591		
White Packing Co.	K 604		
Will & Baumer Candle Co.	K 37		
Williamsburg Ice Co.	K 57		
Williamsburg Refrigerating Co., Inc.	K 491		
Williamsburgh Savings Bank	K 18		
Wilmer Corp.	K 207		
Wilson Department Store, Inc.	K 62		
Woolworth, F. W., Co.	K 320		
Wortman Dairy Farms	K 142		
Wynick Baths	K 63		

